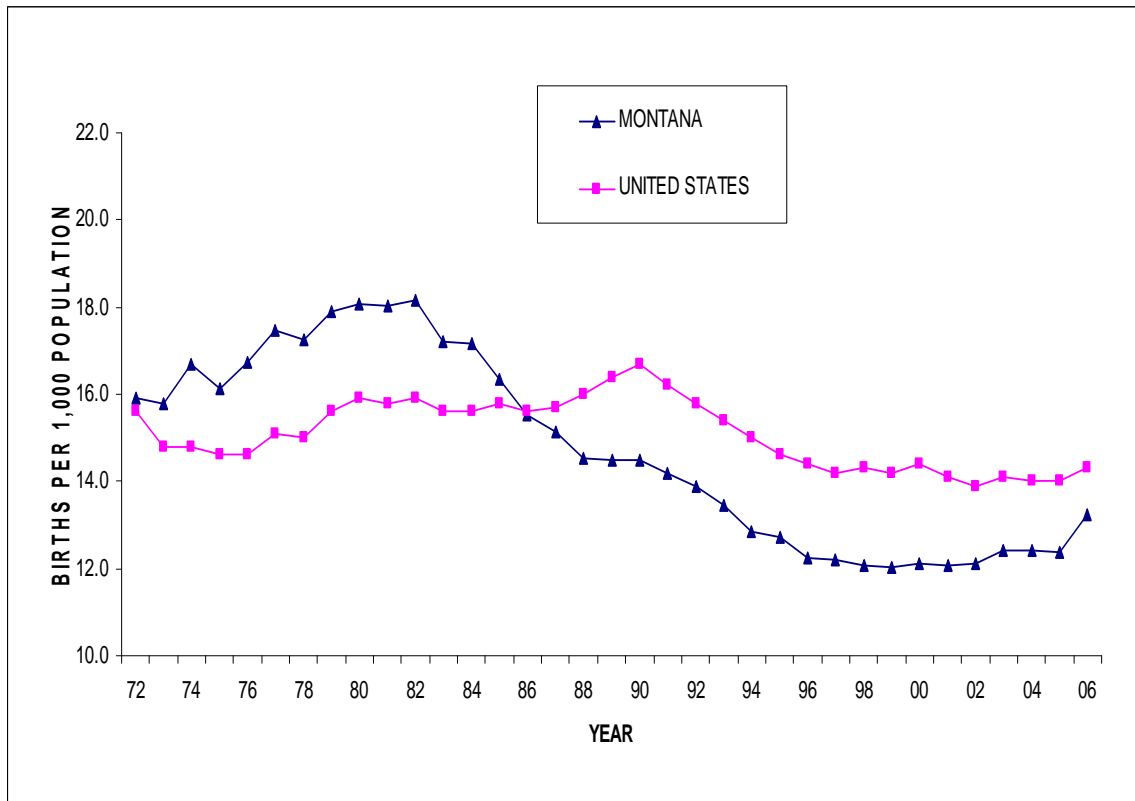


2006

MONTANA

VITAL STATISTICS

RESIDENT BIRTH RATES
MONTANA AND THE UNITED STATES, 1972-2006



OFFICE OF VITAL STATISTICS

“It is the mission of the Office of Vital Statistics to build and maintain a complete, uniform system of accurate vital information which satisfies the legal requirements of individuals and their families, provides timely and convenient access for research and statistical needs for planning at the local, state, and national levels, and ensures the security of the information guaranteed by law.”

The Office of Vital Statistics:

Maintains a permanent public record of each birth, death, and fetal death filed in Montana since 1907.

Maintains statistical information and statewide indexes for each marriage and marital termination that has occurred in Montana since July 1943.

Develops forms, standards, and guidelines for registration or reporting of all vital events occurring in the State of Montana.

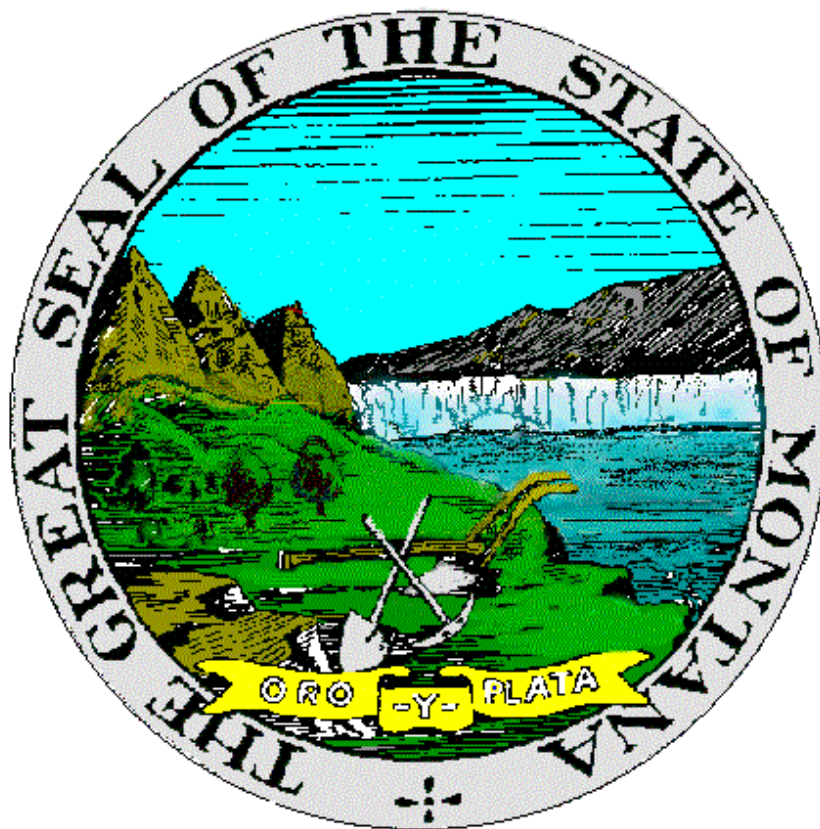
Directs and monitors the functions of 56 local registrars to assure statewide compliance with the statutory mandate for uniform application of registration laws, policies, and procedures.

Provides certified copies of birth, death, and fetal death certificates and processes certificate corrections, adoptions, legitimations, and delayed birth certificates.

Prepares and maintains computer files of State birth, death, fetal death, induced abortion, marriage, marital termination (divorce) data and monitors these files for data quality.

Builds and continues cooperative relationships with federal, state, and local agencies--including the National Center for Health Statistics--that collect, maintain, and use vital records and health statistics.

Provides statistical data tabulations and analyses in support of health policy development, status assessment, and service assurance.



**The Honorable Brian Schweitzer
Governor of Montana**

**Joan Miles
Director
Montana Department of Public Health and Human Services**

January 2008

ACKNOWLEDGMENTS

This report was prepared by the Office of Vital Statistics,
Business and Financial Services Division, Department of Public Health
and Human Services.

Special appreciation is extended to following staff members:

James Edgar, M.P.A., State Registrar and Vital Statistics Supervisor

and to

Bruce Schwartz, M.A., M.P.A.--Research Specialist, for
management of report preparation and final edit,

also

Kathy Thompson, Data Acquisition Supervisor

David Fulgham, Ph.D.--Mortality Statistician

Cody Custis, M.S. --Natality Statistician

Debbi Lemons, R.H.I.A., C.T.R.--Central Tumor Registry Manager

TABLE OF CONTENTS

<u>CONTENTS</u>	<u>PAGE</u>
TABLE OF FIGURES	iv
INTRODUCTION–VITAL REGISTRATION AND DATA COLLECTION.	1
TECHNICAL OVERVIEW	4
DATA SOURCES AND LIMITATIONS.	4
DATA TABULATION AND PRESENTATION.	7
DEFINITIONS	37
NATALITY	44
FERTILITY	44
LOW BIRTHWEIGHT	46
MOTHER’S AGE, RACE, AND MARITAL STATUS.	47
METHOD OF DELIVERY.	48
MORTALITY.	49
FETAL, INFANT, AND MATERNAL DEATHS.	52
AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES	53
AGE, SEX, AND RACE.	70
YEARS OF POTENTIAL LIFE LOST.	79
CANCER INCIDENCE AND PREVALENCE.	84
CANCER INCIDENCE BY PRIMARY SITE.	84
PROSTATE CANCER	85
BREAST CANCER	86
LUNG CANCER	88
COLORECTAL CANCER	89
INDUCED ABORTION	91
MARRIAGE	93
MARITAL TERMINATION.	94
LIST OF REFERENCE TABLES	06-i
2006 VITAL STATISTICS REFERENCE TABLES	06-1

TABLE OF FIGURES

<u>FIGURE</u>	<u>CONTENTS</u>	<u>PAGE</u>
FIGURE 1	Classification Codes (ICD-9 and ICD-10) and Comparability Ratios for Selected Underlying Causes of Death	10
FIGURE 2	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 358 Selected Causes of Death	11
FIGURE 3	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 113 Selected Causes of Infant Death	23
FIGURE 4	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 130 Selected Causes of Death	27
FIGURE 5	International Statistical Classification of Diseases and Health-Related Problems (ICD-10), List of 124 Selected Causes of Fetal Death	32
FIGURE 6	Resident Birth Rates – Montana and the United States, 1971-2006	44
FIGURE 7	Fertility Rates for Mothers of All Races – Montana Teens and Mothers of All Ages, 1990-2006	45
FIGURE 8	Fertility Rates for White Mothers – Montana Teens and Mothers of All Ages, 1990-2006	45
FIGURE 9	Fertility Rates for Native American Mothers – Montana Teens and Mothers of All Ages, 1990-2006	46
FIGURE 10	Rate of Low Birthweight Births Montana Residents, 1980-2006	47
FIGURE 11	Percent of Births to Unmarried Mothers Montana and United States Residents, 1980-2006	47
FIGURE 12	Frequency and Percent Distribution of Live Births by Age of Mother and Method of Delivery Montana Occurrences, 1996-2006	48

<u>FIGURE</u>	<u>CONTENTS</u>	<u>PAGE</u>
FIGURE 13	Resident Crude Death Rates – Montana and the United States, 1971-2006	49
FIGURE 14	Age-Adjusted Death Rates – Montana and United States Residents, 1996-2006	50
FIGURE 15	Age at Death in Years by Sex and Race – Central Tendency and Dispersion, Montana Residents, 1996-2006	51
FIGURE 16	Five-Year Infant Mortality Rates and Fetal Mortality Ratios – Montana Residents, 1980-2006	52
FIGURE 17	Age-Adjusted Death Rates for All Causes of Death – Montana and U.S. Residents, 1996-2006 .	54
FIGURE 18	Age-Specific Death Rates for All Causes of Death – Montana Residents, 1996-2006	54
FIGURE 19	Age-Adjusted Death Rates for Heart Disease – Montana and U.S. Residents, 1996-2006	55
FIGURE 20	Age-Specific Death Rates for Heart Disease – Montana Residents, 1996-2006	55
FIGURE 21	Age-Adjusted Death Rates for Cancer – Montana and U.S. Residents, 1996-2006	56
FIGURE 22	Age-Specific Death Rates for Cancer – Montana Residents, 1996-2006	56
FIGURE 23	Age-Adjusted Death Rates for Cerebrovascular Disease – Montana and U.S. Residents, 1996-2006	57
FIGURE 24	Age-Specific Death Rates for Cerebrovascular Disease – Montana Residents, 1996-2006	57
FIGURE 25	Age-Adjusted Death Rates for Chronic Lower Respiratory Diseases – Montana and U.S. Residents, 1996-2006	58
FIGURE 26	Age-Specific Death Rates for Chronic Lower Respiratory Diseases – Montana Residents, 1996-2006	58

<u>FIGURE</u>	<u>CONTENTS</u>	<u>PAGE</u>
FIGURE 27	Age-Adjusted Death Rates for Accidents — Montana and U.S. Residents, 1996-2006	59
FIGURE 28	Age-Specific Death Rates for Accidents — Montana Residents, 1996-2006	59
FIGURE 29	Age-Adjusted Death Rates for Motor Vehicle Accidents — Montana and U.S. Residents, 1996-2006	60
FIGURE 30	Age-Specific Death Rates for Motor Vehicle Accidents — Montana Residents, 1996-2006 . . .	60
FIGURE 31	Age-Adjusted Death Rates for Non-Motor-Vehicle Accidents — Montana and U.S. Residents, 1996-2006	61
FIGURE 32	Age-Specific Death Rates for Non-Motor-Vehicle Accidents — Montana Residents, 1996-2006 . . .	61
FIGURE 33	Age-Adjusted Death Rates for Pneumonia and Influenza — Montana and U.S. Residents, 1996-2006	62
FIGURE 34	Age-Specific Death Rates for Pneumonia and Influenza — Montana Residents, 1996-2006 . . .	62
FIGURE 35	Age-Adjusted Death Rates for Diabetes — Montana and U.S. Residents, 1996-2006	63
FIGURE 36	Age-Specific Death Rates for Diabetes — Montana Residents, 1996-2006	63
FIGURE 37	Age-Adjusted Death Rates for Suicide — Montana and U.S. Residents, 1996-2006	64
FIGURE 38	Age-Specific Death Rates for Suicide — Montana Residents, 1996-2006	64
FIGURE 39	Age-Adjusted Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana and U.S. Residents, 1996-2006	65
FIGURE 40	Age-Specific Death Rates for Nephritis, Nephrotic Syndrome, and Nephrosis — Montana Residents, 1996-2006	65

<u>FIGURE</u>	<u>CONTENTS</u>	<u>PAGE</u>
FIGURE 41	Age-Adjusted Death Rates for Alzheimer's Disease – Montana and U.S. Residents, 1996-2006	66
FIGURE 42	Age-Specific Death Rates for Alzheimer's Disease – Montana Residents, 1996-2006	66
FIGURE 43	Age-Adjusted Death Rates for Chronic Liver Disease and Cirrhosis – Montana and U.S. Residents, 1996-2006	67
FIGURE 44	Age-Specific Death Rates for Chronic Liver Disease and Cirrhosis – Montana Residents, 1996-2006	67
FIGURE 45	Age-Adjusted Death Rates for Homicide and Legal Intervention – Montana and U.S. Residents, 1996-2006	68
FIGURE 46	Age-Specific Death Rates for Homicide and Legal Intervention – Montana Residents, 1996-2006 .	68
FIGURE 47	Frequency of Death By Selected Cause, Race, and Sex – Montana Residents, 2006	71
FIGURE 48	Frequency and Percent Distribution of Death By Race and Sex – Montana Residents, 1996-2006 . .	72
Figure 49	Leading Causes of Death by Age, Montana Residents, 2006	73
FIGURE 50	Frequency of Death By Cause of Death – Montana Residents, 2006	74
FIGURE 51	Total Years of Potential Life Lost Before Age 75 By Cause of Death – Montana Residents, 2006	75
FIGURE 52	Average Years of Potential Life Lost Before Age 75 By Cause of Death – Montana Residents, 2006	76
FIGURE 53	Age at Death and Years of Potential Life Lost Before Age 75 By Cause of Death – Central Tendency and Dispersion–Montana Residents, 2006	77
FIGURE 54	Diagnoses of Prostate Cancer – Montana Residents, 1996-2006	80

<u>FIGURE</u>	<u>CONTENTS</u>	<u>PAGE</u>
FIGURE 55	Five-Year Relative Survival by Stage at Diagnosis for Prostate Cancer – Montana and the United States, 1996-2006	81
FIGURE 56	Diagnoses of Breast Cancer – Montana Residents, 1996-2006	82
FIGURE 57	Five-Year Relative Survival by Stage at Diagnosis for Breast Cancer – Montana and the United States, 1996-2006	82
FIGURE 58	Diagnoses of Lung Cancer – Montana Residents, 1996-2006	83
FIGURE 59	Five-Year Relative Survival by Stage at Diagnosis for Lung Cancer – Montana and the United States, 1997-2006	84
FIGURE 60	Diagnoses of Colorectal Cancer – Montana Residents, 1997-2006	84
FIGURE 61	Five-Year Relative Survival by Stage at Diagnosis for Colorectal Cancer – Montana and the United States, 1997-2006 . . .	85
FIGURE 62	Ratio of Induced Abortions to Live Births – Montana Occurrences, 1975-2006	86
FIGURE 63	Marriage Rates – Montana and the United States, 1971-2006	88
FIGURE 64	Marital Termination Rates – Montana and the United States, 1971-2006	89

INTRODUCTION

This report was prepared by the Office of Vital Statistics (OVS) of the Montana Department of Public Health and Human Services (DPHHS). The following organizations also provided information: The Montana Central Tumor Registry (MCTR) and the Montana Communicable Disease Program of DPHHS, the Judicial Case Management System (JCMS) of the Montana District Court System, the Census and Economic Information Center of the Montana Department of Commerce, and the National Center for Health Statistics. The report provides a reference to some of the more frequently used Montana vital and health statistics. Because it is intended primarily for reference, there is limited analysis and interpretation of the data. These reports, and several additional tabulations, are available on the Montana Vital Statistics website: <http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml>. More detailed tabulations and analyses are available on request, as time and resources permit.

A general discussion of the findings, with descriptive figures, appears on pages 44 through 89. Vital statistics reference tables for 2006 appear on pages 06-1 through 06-83. Where space permits, data for one or more prior years are provided for comparison. A “List of Reference Tables”--starting on page 06-iii, approximately halfway through this publication--describes each of the reference tables by its contents and location. The naming scheme for these tables is described below.

<u>Beginning Letter</u>	<u>Contents of Reference Table</u>
-------------------------	------------------------------------

S.....	selected (mixed record type) statistics
P.....	population statistics
B.....	live birth statistics
D.....	death statistics
F.....	fetal death statistics
A.....	induced abortion statistics
M.....	marriage statistics
C.....	cancer incidence statistics
R.....	reportable (communicable) disease statistics

Records collected by the OVS provide the majority of data for these statistics and tabulations. These records include certificates of birth, death, and fetal death, as well as transcripts of marriage and legally induced abortions. Any other source of data--such as those mentioned above--is cited in the text or table where the data are used.

VITAL REGISTRATION AND DATA COLLECTION

Registration of births, deaths, and fetal deaths is a legal requirement. Birth certificates must be filed with the local registrar within ten days of the event. The attending physician, midwife, or parent must file the certificate in the county in which the birth occurred. Most births and deaths occurring in Montana are registered electronically. Funeral directors or others in charge of disposition of the body are responsible for filing death or fetal death certificates. The certificates must be filed with DPHHS or the county's local registrar no later than ten days after the date the death is discovered. A fetal death certificate must be filed when the fetus weighed 350 grams or more or, if the weight is unknown, when the period of gestation was determined to be 20 weeks or more.

Montana vital statistics law makes marriage and marital termination reportable events. Before the tenth day of each month, the clerk of district court must report all marriages that have occurred, been dissolved, or been invalidated in the county during the preceding month. The Abortion Control Act makes any induced abortion occurring in Montana a reportable event. Facilities performing induced abortions are responsible for reporting to DPHHS within 30 days of the event.

Original copies of fetal death certificates, reports of induced abortion, marriage, and marital termination, and those few birth and death certificates that are not filed electronically, are forwarded to OVS. Birth, death and fetal death certificates are permanently filed with and maintained by the OVS. The office maintains electronic records of all events in Montana's Vital Statistics System.

With the exception of reports of marital termination, which since October 1998 have been collected and edited by the Justice Case Management System (JCMS) and forwarded electronically to this office, OVS staff check all records and reports for accuracy and completeness and code them for data entry. Those data that are not received electronically are key-entered and maintained in electronic files. Vital records files contain the legal portions of the certificates and reports. Vital statistics files contain statistical information without identification of individuals.

The OVS designs vital certificate and report forms to meet all legal registration and reporting requirements and to provide statistical data to federal, state, and local government agencies, modifying these forms as information requirements change. The following statistical data on these vital events are available for analysis:

NATALITY (1989-Current Publication Year)

- Date, hour, and place of birth.
- Age, race, ancestry, education, and birthplace of the parents; place of residence and marital status of the mother.
- Pregnancy history, including number of prior pregnancies, date and results of last prior pregnancy; date of last normal menses; month in which prenatal care began and number of prenatal visits; medical risk factors of the mother during the pregnancy; tobacco and alcohol use, and weight gain.
- Birth process (including whether the mother was transferred to the hospital), obstetric procedures, complications of labor and delivery, method of delivery, and clinical estimate of gestation.
- Infant's sex, plurality, birth order, birthweight, and APGAR scores; the prophylactic used in the infant's eyes; reported abnormalities and congenital anomalies of the newborn; whether the infant was transferred to another hospital.

MORTALITY (1989- Current Publication Year)

- Date, hour, and place of death.
- Decedent's age at death, sex, race, ancestry, education, marital status, birthplace, and place of residence.

- Underlying cause of death; whether an autopsy was performed and, if so, whether results were available when cause of death was determined; if death resulted from an external cause (accident, suicide, or homicide), the circumstances of the injury, including whether it was sustained at work. If death resulted from an injury at work, the industry in which the decedent was employed is recorded. Tobacco use as a contributing cause and pregnancy at or near the time of death (2003 and forward only)

FETAL MORTALITY (1989- Current Publication Year)

- Date, hour, and place of delivery.
- Age, race, ancestry, and education of parents; place of residence and marital status of the mother.
- Cause of fetal death; the sex, weight, plurality, birth order, and any anomalies or abnormal conditions of the fetus.
- Significant conditions of the mother, including number of prior pregnancies, date and result of last prior pregnancy; date of last normal menses; month in which prenatal care began; number of prenatal visits; maternal risk factors during the pregnancy--medical conditions, tobacco and alcohol use, and weight gain; clinical estimate of gestation; obstetric procedures; complications of labor and delivery; method of delivery.

MARRIAGE (1993- Current Publication Year)

- Date and place of license issuance; date and place of marriage.
- Age, race, education, birthplace, and residence of the bride and groom.
- Previous marital history, including number of prior marriages and reason for termination of the most recent prior marriage (death or divorce), if applicable.

MARITAL TERMINATION (1993- 1998)

- Date and place of decree; type of termination (dissolution or invalid marriage); legal grounds for invalid marriage; whether the marriage was terminated in tribal or district court.
- Age, race, education, birthplace, and residence of wife and husband.
- Number of this marriage; reason for termination of the most recent prior marriage for each party; date the couple last lived in the same household; length of marriage; and petitioner.
- Number of children born alive of this marriage; number of children under 18 years of age in the household; number of children whose custody was awarded to the wife, husband, both, or another party.

INDUCED ABORTION (1989- Current Publication Year)

- Date and place of procedure.
- Age, ancestry, race, education, marital status, birth date, and county of residence of patient.
- Pregnancy history, including date of last normal menses, clinical estimate of gestation, and number and result of prior pregnancies.
- Primary procedure that terminated pregnancy, additional procedures used, and resulting complications.

TECHNICAL OVERVIEW

DATA SOURCES AND LIMITATIONS

DELAY IN REPORTING

This report includes vital records, reports, and transcripts for calendar year 2006 received before July 15, 2007. The number of records received after this latter date is small, and since the use of this "cut off" date is fairly consistent from year to year, the effect of omitted data on trends and patterns is likely to be minimal.

GEOGRAPHIC ALLOCATION

Table titles or footnotes indicate whether Vital Statistics are shown by place of residence or place of occurrence. For example, if a resident of Florida is killed in an automobile accident in Montana, the death is counted as a Montana occurrence but is included in Florida's residence statistics. Births, deaths, and fetal deaths may be tabulated either way. For deaths, the place of residence is the usual state and county of residence of the decedent. For births and fetal deaths, the place of residence of the child is the usual state and county of residence of the mother.

Residence data for births, deaths, and fetal deaths occurring outside Montana are available because of a cooperative, interstate transcript-exchange agreement. All states and the provinces of Canada participate in this agreement under the auspices of the National Association for Public Health Statistics and Information Systems. Interstate data on induced abortions are not available for all states, so all tabulations of abortion data except those in **Table S-8** are by Montana occurrence. The resident abortion statistics in **Table S-8** are incomplete because only in-state occurrences to Montana residents are tabulated.

While we can determine most of the nonresidents marrying in Montana, we do not know how many Montana residents marry outside of the state, nor do we know of residency changes associated with marital terminations. No exchange agreement is in effect for marriages or marital terminations. These tabulations are thus only by Montana occurrence. Data on marital terminations are limited to Montana decrees involving at least one Montana resident and are tabulated as occurrences by the Montana county in which the decree was issued.

CAUSE OF DEATH CERTIFICATION

The medical certification section of the Montana Death Certificate asks for information on the causal and chronological sequence of events leading to death. The attending physician or coroner completes this section of the death certificate. It consists of two parts. Part I is used for reporting the conditions leading directly to death and, for each, the interval between onset of the conditions and death. Part II is for reporting any important diseases or conditions that influenced the course of the illness or trauma unfavorably, thus contributing to the fatal outcome, but that were not related to the immediate cause of death. For example, a medical certification might read as follows:

Part I. Death was caused by:				<u>Duration</u>
Immediate cause	Due to	(a) <i>postoperative bronchial pneumonia</i>		<i>3 days</i>
	Due to	(b) <i>lobectomy</i>		<i>1 week</i>
Underlying cause	Due to	(c) <i>primary cancer of lung</i>		<i>1 year</i>
Part II. Other significant conditions				
<i>Hypertensive cardiovascular disease</i>				

The causes of death in this report represent the underlying causes derived from the information provided on Parts I and II. In the above example, the underlying cause would be lung cancer. Each condition or cause reported on death certificates is classified according to the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, World Health Organization, Geneva, 1992 (ICD-10). The nosologist, the person responsible for coding cause of death, develops an underlying cause using ICD-10 codes and coding procedures developed for nationwide use by the National Center for Health Statistics (NCHS) of the Centers for Disease Control and Prevention (CDC), Public Health Services, U.S. Department of Health and Human Services. The ICD-10 code for the death in the illustration above would be C34.9, "malignant neoplasm of bronchus or lung, area or lobe unspecified."

When the underlying cause is a traumatic injury, poisoning, or other adverse effects, this report shows tabulations of deaths according to the nature of the event that led to fatal injury, poisoning, or adverse effect rather than the nature of the event's consequences.

Whenever possible, deaths are classified by the underlying cause reported. Exceptions occur when the underlying cause is not apparent from the certificate and clarification is not available. In these instances, the probable underlying cause is determined using a system of rules developed by NCHS.

MARRIAGE AND MARITAL TERMINATION

Reliance on national marriage and marital termination statistics is limited by differences in data collection and data availability at or below the state level. Marriage, marital termination and residency are defined by the laws of each state. The minimum age for marriage, marriage license requirements, residency requirements for marital termination, acceptable grounds for such termination, and minimum period between marriage and marital termination vary from state to state. These differences can affect the comparability of data from state to state.

Data aggregation is also affected by how data are collected and reported. For most states, including Montana, frequency of marriage is based on marriages performed. For New Mexico, New York City, and some counties of Arizona, data represent licenses issued.

POPULATION ESTIMATES

All rates per 1,000 or per 100,000 population in this report are based on population data provided by the U. S. Bureau of the Census (Census Bureau). For intercensal years (all years not ending with "0"), the Census Bureau uses the Tax Return method (formerly, the Administrative Records Method) to arrive at population estimates. This method includes the use of Vital (birth and death) Records. These estimates refer to the resident population on July 1st of the year indicated.

In recent years, OVS has relied on a special series of annual Census Bureau and/or NCHS population estimates stratified by age and sex to derive statewide fertility rates, abortion rates, and age-specific and age-adjusted mortality rates. OVS uses the latest available updates of these population estimates for such calculations.

RACE

Tabulation of vital events by race is imprecise for several reasons. First, it is difficult to identify a single or predominant race when persons are of mixed ancestry, as is the case for many U.S. citizens. A second difficulty with tabulations by race is that the category assignment is based on the opinion of the informant. As such, it likely does not reflect the same definitions of racial groups from one record to the next.

There are two other areas where racial classifications may lack precision: the "Hispanic" ancestry designation and the grouping of responses into an "Other" category. Hispanic ancestry is reported separately from race. Thus, it may apply to any racial category including "White" and "Native American." The proportion of persons in Montana reported as being of Hispanic ancestry is so small, however, that creating racial categories based on combined racial and Hispanic classifications is unlikely to yield any useful information.

The "Other" category is made up of all individuals not classified in the identified group(s) shown in that table. Those for whom race is not reported are therefore included in the "Other" category in these reference tables, as are those classified as multi-racial. According to the 2000 Census, more than 90% of Montana's population at the time considered itself white, while indicating no other racial classification. Another two percent of the population considered itself white in combination with some other racial classification, such as African American or American Indian (Native American). Thus, classifying persons of unknown race as "Other" could introduce an unknown, probably slight, bias into statistics calculated from the data in these tables.

Montana death records now record multiple races for each decedent. (Similar changes are planned for certificates of live birth and fetal death in the future.) Informants providing information for Montana death records have, for many years, been asked to identify the race of the decedent, but in the past few chose to characterize decedents as bi- or multi-racial. Beginning with the revised death certificate in 2003, informants were asked whether the decedent belonged to one or more of 14 specific racial groups or any other unspecified race. Informants were encouraged to "check one or more races to indicate what the decedent considered him or herself to be." They were also encouraged to identify any racial or ethnic group or tribal affiliation that applied. This new format for collecting information has resulted in a notable increase in the number of decedents with more than one race reported. OVS examines each of the death records received for a decedent's affiliation with a known American Indian tribe and classifies any record with such an affiliation as Native American (along with any other race identified). For purposes of tabulation, racial classifications shown in this report are based on a "bridged race" category, in which four racial groups--white, black, American Indian or Alaska native (AI/AN), and Asian and Pacific islander--are reported. Records for which only a single race is reported are assigned a bridged category according to the race the informant provided. NCHS "bridges" those records for which two or more races are reported; a "main" race is assigned using a probabilistic model. Bridged race categories are intended for the calculation of population-based rates. For births and fetal deaths, still reported in the single-race format, the race of the infant or fetus is defined as the reported race of the mother.

MARITAL STATUS

Mother's marital status is designated "Married" on the birth record if the mother is shown on the birth certificate as married "at birth, conception, or any time in between". Status is designated "Married" on the fetal death certificate if the mother was married "at delivery, conception, or any time in between".

Marital status for death and abortion records is "Married or Separated," "Divorced," "Widowed," or "Single" as described by the informant. The "Divorced" designation on such records includes both marital dissolutions (formerly called divorces) and invalid marriages (formerly called annulments).

LIMITATIONS OF SMALL NUMBERS

The occurrence of vital events is subject to chance variation. For example, a birth at 11:59 P.M. on December 31 would be counted in one year. If the infant had been born two minutes later at 12:01 A.M., the birth would be counted in the following year. This phenomenon is not of great importance for states or counties with large populations, since the relative number of births is not greatly affected by one event. However, for Montana counties, with relatively small populations, the occurrence of an event in one year rather than the next could change the pattern of events and might lead to mistaken conclusions about trends in the county's birth rate.

Rates or trends based on small numbers, perhaps less than 100, must be interpreted with caution. Meaningful conclusions cannot be drawn based on frequencies of less than five. This report provides the frequency and rate in all tables where rates based on small numbers of events may appear so the reader can gauge the reliability of these rates for themselves.

Similarly, percentages based on small totals can be misleading. For example, if three of ten births in a county were to mothers aged 18 or 19 years, the distribution of births by mother's age would show that 30% of the county's births were to teenagers. While accurate, this statistic is probably of limited value for making policy.

Tabulating occurrences of an event over a period of several years may reduce the impact of chance variability in rates or percentages based on small numbers. An example is the five-year infant mortality rate shown in **Table D-8** or the five-year “rolling” rates displayed in **Figure 16**. OVS has limited the use of multi-year rates in this report because such rates can conceal changes in trends that take place during the multi-year period.

DATA TABULATION AND PRESENTATION

GEOGRAPHIC TABULATION

Birth, death, fetal death, and induced abortion data are tabulated for Montana residents by place of residence and for all vital events occurring in Montana by place of occurrence. All occurrence statistics include events that occurred in Montana to residents of other states. Births, deaths, and fetal deaths that occurred out-of-state to Montana residents are included under resident statistics. Resident statistics on induced abortions include only in-state occurrences.

CAUSE OF DEATH AND CONVERSION TO ICD-10

Periodically, the system used for the classification of diseases and causes of death is revised. Beginning with mortality data for 1999, OVS is now reporting underlying cause of death information captured and categorized by ICD-10, the tenth and latest revision of this system for classification.

The discussion and tables in this report refer to the underlying cause of death, grouped into named diseases and conditions. These are groupings that the World Health Organization (WHO), NCHS, and most public health professionals use. In many cases, the ICD-10 and ICD-9 codes are listed in the table along with the condition or disease name; however, some tables show only the name.

Figure 1 shows how ICD-10 codes are grouped into cause-of-death conditions and diseases for many of the causes of death tabulated and discussed in this report, as well categories frequently reported as “leading” causes of death. Corresponding ICD-9 codes are shown, as well as preliminary “comparability ratios” computed by NCHS.

Each new version of the ICD code introduces new categories, titles, groupings of disease, and coding rules in an effort to keep pace with the needs of medical and public health research. However, each new version introduces problems with the comparability of mortality data classified with different versions of the code. Past revisions of ICD have revealed discontinuities in statistical trends that can be attributed to changes in coding and classification procedures alone.

NCHS attempts to quantify the effects of ICD revisions through double coding of death records (i.e. coding underlying cause of death on each record using both the old and new versions of ICD) and comparing the frequencies produced by the two coding schemes. For each category of interest, a ratio of the number of deaths

classified in the latest version to that classified in the previous version is calculated. Such “comparability ratios” provide estimates of the change attributed to the revision alone and help distinguish “coding changes” from “real changes,” (i.e. changes in the underlying forces of mortality in the population). The comparability ratios shown in **Figure 1** represent some preliminary results from a very large nonrandom sample of death records (more than 1.8 million) from 50 states and the District of Columbia, about 80 percent of all resident deaths occurring in the U.S. in 1996. These ratios are presented to indicate the approximate order of magnitude of expected changes in coding for underlying cause of death. They should not be expected to apply precisely to Montana’s death experience in the current data year or that of any other particular geographic location at any other time.

For example, the comparability ratio for “nephritis, nephrotic syndrome, and nephrosis”, 1.2320, indicates we might expect to see an increase of roughly one quarter in the number of deaths due to this cause solely because of the change from ICD-9 to ICD-10. The comparability ratio for pneumonia and influenza, 0.6982, indicates that the observed number of deaths due to that cause will probably be reduced by about 30% because of the coding change. The comparability ratio for Alzheimer’s disease of 1.5536 means we can expect approximately half again as many such classifications. Such effects must be taken into account when interpreting trends in mortality if one is to isolate the underlying forces of mortality that public health programs seek to affect.

Such changes in the frequencies of death for various causes are reflected in crude and age-adjusted rates of death for specific causes of death. For example, trends in the age-adjusted death rates for several causes of death shown in this report show marked discontinuities between rates collected before 1999 using ICD-9 and those collected during and after 1999 using ICD-10. (See the discussion and display of “Age-specific and age-adjusted death rates” in the Mortality section of the narrative.

Among other notable changes in the latest version of ICD is the elimination of the ICD-9 category “chronic obstructive pulmonary diseases” (COPD), which has been replaced by the ICD-10 category “chronic lower respiratory diseases” (CLRD). The categories differ in that CLRD does not contain those causes of death in ICD-9 rubric 495. These causes include “extrinsic allergic alveolitis,” i.e. allergic alveolitis and pneumonitis due to inhaled organic dust.

Also, ICD-10 removes “misadventures to patients in surgical or medical care” (ICD-9: 870 - 876), “surgical and medical procedures causing reaction,” (ICD-9: 878 - 879), and “drugs causing adverse effects in therapeutic use “ (ICD-9: 930 - 949) from the “accidents” category and places them in a new category called “complications of medical and surgical care.”

The ICD-9 category “homicide and legal intervention,” which was reportable as a leading cause of death, was replaced by “assault” which no longer contains “legal intervention” (ICD-9: 970 - 978) but still contains “homicide” (ICD-9: 960 - 969).

Figures 2, 3, 4, and 5 show ICD-10 code ranges for cause-of-death categories displayed in **Tables D-1, D-2, D-7, and F-1**, respectively. **Table D-1** lists up to 358 causes of death commonly listed by NCHS. **Table D-2** shows up to 113 causes of death commonly listed. Some of these 113 causes are used for ranking leading causes of death. Those categories preceded by a pound sign (#) are eligible for ranking as a leading cause of death. **Table D-7** lists up to 130 causes of infant death. Again, those categories preceded by a pound sign are eligible for ranking as a leading cause of death. **Table F-1** lists up to 124 causes of fetal death.

Figure 1

**CLASSIFICATION CODES (ICD-10 AND ICD-9) AND COMPARABILITY RATIOS FOR
SELECTED UNDERLYING CAUSES OF DEATH**

Underlying Cause of Death	ICD-10 Code (s)	ICD-9 Code (s)	Comparability Ratio
Tuberculosis	A16 - A19	010 - 018, 137	0.8547
Septicemia	A40 - A41	038	1.1949
Human Immunodeficiency Virus (HIV) Infection	B20 - B24	042 - 044	1.0637
Malignant Neoplasms (Cancer)	C00 -C97	140 - 208	1.0068
Diabetes Mellitus (Diabetes)	E10 - E14	250	1.0082
Alzheimer's Disease	G30	331.0	1.5536
Diseases of Heart	I00 - I09, I11, I13, I20 - I51	390 - 398, 402, 404, 410 - 429	0.9858
Cerebrovascular Disease	I60 - I69	430 - 434, 436 - 438	1.0588
Atherosclerosis	I70	440	0.9637
Pneumonia and Influenza	J10 - J18	480 - 487	0.6982
Chronic Obstructive Pulmonary Diseases	N/A	490 - 496	N/A
Chronic Lower Respiratory Diseases	J40 - J47	490 - 494, 496	1.0478
Diseases of Appendix	K35 - K38	540 - 543	1.0347
Chronic Liver Disease and Cirrhosis	K70, K73 - K74	571	1.0367
Nephritis, Nephrotic Syndrome, and Nephrosis	N00 - N07, N17 - N19, N25 - N27	580 - 589	1.2320
Certain Conditions Originating in the Perinatal Period	P00 - P96	760 - 771.2, 771.4 - 779	1.0658
Congenital Malformations, Deformations, and Chromosomal Anomalies	Q00 - Q99	740 - 759	0.8470
Sudden Infant Death Syndrome (SIDS)	R95	798.0	1.0362
Accidents	V01 - X59, Y85 - Y86	E800 - E869, E880 - E929	1.0305
Motor Vehicle Accidents	V02 - V04, V09.0, V09.2, V12 - V14, V19.0 - V19.2, V19.4 - V19.6, V20 -V79, V80.3 - V80.5, V81.0 - V81.1, V82.0 - V82.1, V83 - V86, V87.0 - V87.8, V88.0 - V88.8, V89.0, V89.2	E810 - E825	0.8527
Non-Motor Vehicle Accidents	V01, V05 - V08, V09.1, V09.3 - V11, V15 - V18, V19.3, V19.7 - V19.9, V80.1 -V80.2, V80.6 - V80.9, V81.2 - V81.9, V82.2 - V82.9, V87.9, V88.9, V89.3 - X59.9, Y85 - Y86	E800 - E807, E826 -E929	1.1134
Intentional Self-Harm (Suicide)	X60 - X84, Y87.0	E950 - E959	0.9962
Assault (Homicide)	X85 - Y09, Y87.1	E960 - E969	0.9983
Complications of Medical and Surgical Care	Y40 - Y84, Y88	E870 - E879, E930 - E949	NA

NA Not available.

N/A The category, chronic obstructive pulmonary diseases, is not used in ICD-10 and is therefore not applicable.

Figure 2

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
All causes	
I Certain infectious and parasitic diseases	A00-B99
Intestinal infectious diseases	A00-A09
1 Cholera	A00
Other intestinal infectious diseases	A01-A08
2 Typhoid fever	A01.0
3 Paratyphoid fevers and other salmonella infections	A01.1-A01.4, A02
4 Shigellosis	A03
5 Other bacterial food-borne intoxications	A05
6 Amebiasis	A06
7 Intestinal infections due to other specified organisms	A04, A07-A08
8 Diarrhea and gastroenteritis of presumed infectious origin	A09
Tuberculosis	A16-A19
9 Respiratory tuberculosis	A16
10 Other tuberculosis	A17-A19
Zoonotic and other bacterial diseases	A20-A49
11 Plague	A20
12 Brucellosis	A23
13 Tetanus	A33-A35
14 Diphtheria	A36
15 Whooping cough	A37
16 Scarlet fever and erysipelas	A38, A46
17 Meningococcal infection	A39
18 Septicemia	A40-A41
19 Other zoonotic and bacterial diseases	A21-A22, A24-A32, A42-A44, A48-A49
Infections with a predominately sexual mode of transmission	A50-A64
Syphilis	A50-A53
20 Cardiovascular syphilis	A52.0
21 Neurosyphilis	A52.1-A52.3
22 Other and unspecified syphilis	A50-A51, A52.7-A52.9, A53
23 Gonococcal infection	A54
24 Other infections with a predominately sexual mode of transmission	A55-A64
Other infections caused by spirochetes, chlamydia or rickettsia	A65-A79
25 Lyme disease	A69.2
26 Typhus fever	A75
27 All other infections caused by spirochetes, chlamydia or rickettsia	A65-A68, A69.0-A69.1, A69.8-A69.9, A70-A74, A77-A79
Viral diseases	A80-B34
28 Acute poliomyelitis	A80
29 Rabies	A82
30 Arthropod-borne viral encephalitis	A83-A84, A85.2
31 Yellow fever	A95
32 Other and unspecified arthropod-borne viral and hemorrhagic fevers	A90-A94, A96-A99
33 Herpesviral (herpes simplex) infections	B00

Figure 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
34 Zoster (herpes zoster)	B02
35 Smallpox	B03
36 Measles	B05
37 Rubella (German measles)	B06
38 Viral hepatitis	B15-B19
Human immunodeficiency virus (HIV) disease	B20-B24
39 Human immunodeficiency virus (HIV) disease resulting in infectious and parasitic diseases	B20
40 Human immunodeficiency virus (HIV) disease resulting in malignant neoplasms	B21
41 Human immunodeficiency virus (HIV) disease resulting in other specified diseases	B22
42 Human immunodeficiency virus (HIV) disease resulting in other conditions	B23
43 Unspecified human immunodeficiency virus (HIV) disease	B24
44 All other and unspecified viral diseases	A81 ,A85.0-A85.1, A85.8, A86-A89, B01, B04, B07-B09, B25-B34
Other and unspecified infectious and parasitic diseases and their sequelae	B35-B99
45 Mycoses	B35-B49
Protozoal diseases	B50-B64
46 Malaria	B50-B54
47 Leishmaniasis	B55
48 Trypanosomiasis	B56-B57
49 Pneumocystosis	B59
50 Other and unspecified protozoal diseases	B58,B60-B64
Helminthiasis	B65-B83
51 Schistosomiasis (bilharziasis)	B65
52 Other and unspecified helminthiasis	B66-B83
53 Sequelae of tuberculosis	B90
54 Sequelae of poliomyelitis	B91
55 All other and unspecified infectious and parasitic diseases and their sequelae	B85-B89, B92-B99
II Neoplasms	C00-D48
Malignant neoplasms	C00-C97
Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
56 Of lip	C00
57 Of tongue	C01-C02
58 Of pharynx	C10-C13, C14.0
59 Of other and unspecified sites within the lip, oral cavity and pharynx	C03-C09, C14.2-C14.8
Malignant neoplasms of digestive organs	C15-C26
60 Of esophagus	C15
61 Of stomach	C16
62 Of small intestine	C17
Of colon, rectum and anus	C18-C21
63 Colon	C18

Figure 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
64 Rectosigmoid junction and rectum	C19-C20
65 Anus and anal canal	C21
Of liver and intrahepatic bile ducts	C22
66 Liver	C22.0, C22.2-C22.9
67 Intrahepatic bile duct carcinoma	C22.1
68 Of gallbladder and extrahepatic bile ducts	C23-C24
69 Of pancreas	C25
70 Of other and ill-defined digestive organs	C26
Malignant neoplasms of respiratory and intrathoracic organs	C30-C39
71 Of nasal cavity, middle ear and accessory sinuses	C30-C31
72 Of larynx	C32
73 Of trachea, bronchus and lung	C33-C34
74 Of thymus, heart, mediastinum and pleura	C37-C38
75 Of other and ill-defined sites in respiratory system and intrathoracic organs	C39
76 Malignant neoplasms of bone and articular cartilage	C40-C41
Melanoma and other malignant neoplasms of skin	C43-C44
77 Malignant melanoma of skin	C43
78 Other malignant neoplasms of skin	C44
Malignant neoplasms of mesothelial and soft tissue	C45-C49
79 Mesothelioma	C45
80 Kaposi's sarcoma	C46
81 Of other mesothelial and soft tissue	C47-C49
82 Malignant neoplasm of breast	C50
Malignant neoplasms of female genital organs	C51-C58
83 Of vulva and vagina	C51-C52
84 Of cervix uteri	C53
85 Of corpus uteri and uterus, part unspecified	C54-C55
86 Of ovary	C56
87 Of other and unspecified female genital organs	C57
88 Of placenta	C58
Malignant neoplasms of male genital organs	C60-C63
89 Of prostate	C61
90 Of testis	C62
91 Of penis and other and unspecified male genital organs	C60, C63
Malignant neoplasms of urinary tract	C64-C68
92 Of kidney and renal pelvis	C64-C65
93 Of bladder	C67
94 Of other and unspecified sites within the urinary tract	C66, C68
95 Malignant neoplasm of eye and adnexa	C69

Figure 2 (CONTINUED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
96 Of brain	C71
97 Of other parts of central nervous system	C70, C72
98 Malignant neoplasms of thyroid and other endocrine glands	C73-C75
99 Other malignant neoplasms of other and unspecified sites	C76-C80, C97
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
100 Hodgkin's disease	C81
Of other lymphoid, hematopoietic and related tissue	C82-C85, C96
101 Non-Hodgkin's lymphoma	C82-C85
102 Of other and unspecified lymphoid, hematopoietic and related tissue	C96
103 Malignant immunoproliferative diseases	C88
104 Multiple myeloma and malignant plasma cell neoplasms	C90
Leukemia	C91-C95
105 Lymphoid leukemia	C91
106 Myeloid leukemia	C92
107 Monocytic leukemia	C93
108 Other and unspecified leukemia	C94-C95
In situ neoplasms	D00-D09
109 Carcinoma in situ of breast and genitourinary system	D05-D07
110 Carcinoma in situ of other and unspecified sites	D00-D04, D09
Benign neoplasms	D10-D36
111 Of female genital organs	D25-D28
112 Of eye, brain and other parts of central nervous system	D31-D33
113 Of other and unspecified sites	D10-D24, D29-D30, D34-D36
114 Neoplasms of uncertain or unknown behavior of specified sites	D37-D47
115 Neoplasm of uncertain or unknown behavior of unspecified sites	D48
III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
Anemias	D50-D64
116 Nutritional anemias	D50-D53
117 Hemolytic anemias	D55-D59
118 Aplastic anemias	D60-D61
119 Acute posthemorrhagic and other anemias	D62, D64
120 Coagulation defects, purpura and other hemorrhagic conditions	D65-D69
121 Other diseases of blood and blood-forming organs	D70-D76
122 Certain disorders involving the immune mechanism	D80-D89
IV Endocrine, nutritional and metabolic diseases	E00-E88
Endocrine diseases	E00-E34
123 Disorders of thyroid gland	E00-E07
124 Diabetes mellitus	E10-E14
125 Disorders of pituitary gland	E22-E23
126 Disorders of adrenal glands	E24-E27
127 Diseases of thymus	E32
128 Other endocrine diseases	E15-E21, E28-E31, E34

Figure 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
Nutritional diseases	E40-E68
Malnutrition	E40-E46
129 Nutritional marasmus	E41
130 Other and unspecified malnutrition	E40, E42-E46
131 Other nutritional deficiencies	E50-E64
132 Obesity and other hyperalimentation	E65-E68
Metabolic disorders	E70-E88
133 Cystic fibrosis	E84
134 Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
135 Other metabolic disorders	E70-E83, E85, E88
V Mental and behavioral disorders	F01-F99
136 Organic dementia	F01, F03
137 Other and unspecified organic mental disorders	F04-F09
Mental and behavioral disorders due to psychoactive substance use	F10-F19
138 Mental and behavioral disorders due to use of alcohol	F10
139 Mental and behavioral disorders due to other psychoactive substance use	F11-F19
140 Schizophrenia, schizotypal and delusional disorders	F20-F29
141 Mood (affective) disorders	F30-F39
142 Neurotic, stress-related and somatoform disorders	F40-F48
143 Mental retardation	F70-F79
144 Other and unspecified mental and behavioral disorders	F50-F69, F80-F99
VI Diseases of the nervous system	G00-G98
145 Meningitis	G00, G03
146 Other inflammatory diseases of central nervous system	G04-G09
147 Parkinson's disease	G20-G21
148 Alzheimer's disease	G30
149 Multiple sclerosis	G35
150 Epilepsy	G40-G41
151 Transient cerebral ischemic attacks and related syndromes	G45
152 Infantile cerebral palsy	G80
153 All other diseases of nervous system	G10-G12, G23-G25, G31, G36-G37, G43-G44, G47-G72, G81-G98
154 VII Diseases of the eye and adnexa	H00-H57
155 VIII Diseases of the ear and mastoid process	H60-H93
156 Acute rheumatic fever	I00-I02
Chronic rheumatic heart diseases	I05-I09
157 Rheumatic mitral valve diseases	I05
158 Rheumatic aortic valve diseases	I06
159 Disorders of both mitral and aortic valves	I08.0
160 Other chronic rheumatic heart diseases	I07, I08.1-I08.9, I09
Hypertensive diseases	I10-I13
161 Essential (primary) hypertension	I10
162 Hypertensive heart disease	I11
163 Hypertensive renal disease	I12

Figure 2 (CONTINUED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
164 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
165 Acute myocardial infarction	I21-I22
166 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
167 Atherosclerotic cardiovascular disease, so described	I25.0
168 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
169 Pulmonary embolism	I26
170 Other pulmonary heart disease and diseases of pulmonary circulation	I27-I28
Other non-pulmonary forms of heart disease	I30-I51
171 Acute and subacute endocarditis	I33
172 Diseases of pericardium and acute myocarditis	I30-I31, I40
Other diseases of endocardium	I34-I38
173 Nonrheumatic mitral valve disorders	I34
174 Nonrheumatic aortic valve disorders	I35
175 All other diseases of endocardium	I36-I38
176 Cardiomyopathy	I42
177 Conduction disorders and cardiac dysrhythmias	I44-I49
Heart failure	I50
178 Congestive heart failure	I50.0
179 Other and unspecified heart failure	I50.1-I50.9
180 Myocarditis, unspecified and myocardial degeneration	I51.4-I51.5
181 All other and ill-defined forms of heart disease	I51.0-I51.3, I51.6-I51.9
Cerebrovascular diseases	I60-I69
182 Subarachnoid hemorrhage	I60
183 Intracerebral and other intracranial hemorrhage	I61-I62
184 Cerebral infarction	I63
185 Stroke, not specified as hemorrhage or infarction	I64
186 Other cerebrovascular diseases and their sequelae	I67, I69
Diseases of arteries, arterioles and capillaries	I70-I78
187 Atherosclerosis	I70
188 Aortic aneurysm and dissection	I71
189 Other diseases of arteries, arterioles and capillaries	I72-I78
Other disorders of circulatory system	I80-I99
190 Phlebitis, thrombophlebitis, venous embolism and thrombosis	I80-I82
191 All other and unspecified disorders of circulatory system	I83-I99
X Diseases of the respiratory system	J00-J98
Acute upper respiratory infections	J00-J06
192 Acute pharyngitis and tonsillitis	J02-J03
193 Acute laryngitis and tracheitis	J04
194 Other and unspecified acute upper respiratory infections	J00-J01, J05-J06
Other diseases of the respiratory system	J10-J98
195 Influenza	J10-J11
Pneumonia	J12-J18

Figure 2 (CONTINUED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
196 Viral pneumonia, not elsewhere classified	J12
197 Bacterial pneumonia	J13-J15
198 Pneumonia due to other or unspecified organisms	J16, J18
Other acute lower respiratory infections	J20-J22
199 Acute bronchitis and bronchiolitis	J20-J21
200 Unspecified acute lower respiratory infection	J22
201 Other diseases of upper respiratory tract	J30-J39
Chronic lower respiratory diseases	J40-J47
Bronchitis, chronic and unspecified, emphysema and asthma	J40-J46
202 Bronchitis, not specified as acute or chronic	J40
203 Chronic bronchitis	J41-J42
204 Emphysema	J43
205 Other chronic obstructive pulmonary disease	J44
206 Asthma	J45-J46
207 Bronchiectasis	J47
Lung diseases due to external agents	J60-J70
208 Pneumoconioses and chemical effects	J60-J66, J68
Pneumonitis due to solids and liquids	J69
209 Pneumonitis due to food and vomit	J69.0
210 Other pneumonitis due to solids and liquids	J69.1-J69.8
211 Other lung diseases due to external agents	J67, J70
212 Suppurative and necrotic conditions of lower respiratory tract	J85-J86
213 Pleural effusion and plaque	J90, J92
214 All other diseases of respiratory system	J80-J84, J93-J98
XI Diseases of the digestive system	K00-K92
215 Diseases of oral cavity, salivary glands and jaws	K00-K14
Diseases of other parts of digestive system	K20-K92
216 Diseases of esophagus	K20-K22
Peptic ulcer	K25-K28
217 Gastric ulcer	K25
218 Duodenal ulcer	K26
219 Peptic ulcer, site unspecified	K27
220 Gastrojejunal ulcer	K28
221 Gastritis and duodenitis	K29
222 Dyspepsia and other diseases of stomach and duodenum	K30-K31
223 Diseases of appendix	K35-K38
224 Hernia	K40-K46
225 Crohn's disease and ulcerative colitis	K50-K51
226 Vascular disorders and obstruction of intestine without hernia	K55-K56
227 Diverticular disease of intestine	K57
228 Other diseases of intestines and peritoneum	K52, K58-K63
229 Diseases of peritoneum	K65-K66
Diseases of liver	K70-K76
230 Alcoholic liver disease	K70
231 Chronic hepatitis, not elsewhere classified	K73
232 Fibrosis and cirrhosis of liver	K74

Figure 2 (CONTINUED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
233 Other diseases of liver	K71-K72, K75-K76
234 Cholelithiasis and other disorders of gallbladder	K80-K82
Disorders of biliary tract and pancreas	K83-K86
235 Pancreatitis	K85, K86.0-K86.1
236 Other disorders of biliary tract and pancreas	K83, K86.2-K86.9
237 All other diseases of digestive system	K90, K92
XII Diseases of the skin and subcutaneous tissue	L00-L98
238 Infections of skin and subcutaneous tissue	L00-L08
239 Other and unspecified diseases of skin and subcutaneous tissue	L10-L98
XIII Diseases of the musculoskeletal system and connective tissue	M00-M99
240 Rheumatoid arthritis and related inflammatory polyarthropathies	M05-M08
241 Systemic lupus erythematosus	M32
242 Other arthropathies and related disorders	M00, M02, M10-M31, M33-M35
243 Dorsopathies	M40-M54
244 Soft tissue disorders	M60-M79
Osteopathies, chondropathies and other disorders of musculoskeletal system and connective tissue	M80-M99
245 Osteoporosis	M80-M81
246 Other osteopathies, chondropathies and disorders of musculoskeletal system and connective tissue	M83-M99
XIV Diseases of the genitourinary system	N00-N98
Diseases of urinary system	N00-N39
Glomerular and renal tubulo-interstitial diseases	N00-N15
Glomerular diseases	N00-N07
247 Acute and rapidly progressive nephritic syndrome	N00-N01
248 Nephrotic syndrome	N04
249 Other and unspecified glomerular diseases	N02-N03, N05-N07
250 Renal tubulo-interstitial diseases	N10-N15
251 Renal failure	N17-N19
252 Urolithiasis	N20-N23
253 Other and unspecified disorders of kidney	N25-N27
254 Urinary tract infection, site not specified	N39.0
255 Other diseases of urinary system	N28-N36, N39.1-N39.9
Diseases of male genital organs	N40-N50
256 Hyperplasia of prostate	N40
257 Other diseases of male genital organs	N41-N50
258 Disorders of breast	N60-N64
Disorders of female genital organs	N70-N98
259 Inflammatory diseases of female pelvic organs	N70-N76
260 Noninflammatory disorders of female genital tract	N80-N98
XV Pregnancy, childbirth and the puerperium	O00-O99
Pregnancy with abortive outcome	O00-O07
261 Ectopic pregnancy	O00
262 Spontaneous abortion	O03
263 Medical abortion	O04

Figure 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
264 Other abortion	O05
265 Other and unspecified pregnancy with abortive outcome	O01-O02, O06-O07
Other direct obstetric deaths	O10-O92
266 Eclampsia and pre-eclampsia	O11, O13-O16
267 Hemorrhage of pregnancy and childbirth and placenta previa	O20, O44-O46, O67, O72
Complications predominantly related to the puerperium	O85-O92
268 Obstetric embolism	O88
269 Other complications predominately related to the puerperium	O85-O87, O89-O92
270 All other direct obstetric causes	O10, O12, O21-O43, O47-O66, O68-O71, O73-O75
271 Obstetric death of unspecified cause	O95
272 Other deaths related to pregnancy, childbirth and the puerperium	O96-O97
273 Indirect obstetric deaths	O98-O99
XVI Certain conditions originating in the perinatal period	P00-P96
274 Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
275 Disorders related to short gestation and low birth weight, not elsewhere classified	P07
276 Birth trauma	P10-P15
277 Intrauterine hypoxia and birth asphyxia	P20-P21
278 Respiratory distress of newborn	P22
279 Other respiratory conditions originating in the perinatal period	P23-P28
280 Infections specific to the perinatal period	P35-P39
281 Other and unspecified conditions originating in the perinatal period	P05, P08, P29, P50-P96
XVII Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
282 Anencephaly and similar malformations	Q00
283 Spina bifida	Q05
284 All other congenital malformations of nervous system	Q01-Q04, Q06-Q07
285 Congenital malformations of heart	Q20-Q24
286 Other congenital malformations of circulatory system	Q25-Q28
287 Congenital malformations of respiratory system	Q30-Q34
288 Other congenital malformations and deformations	Q10-Q18, Q35-Q89
289 Down's syndrome	Q90
290 All other chromosomal abnormalities, not elsewhere classified	Q91-Q99
XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
291 Senility	R54
Ill-defined and unknown causes of mortality	R95-R99
292 Sudden infant death syndrome	R95
293 Other ill-defined and unknown causes of mortality	R96-R99
294 All other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94
XX External causes of mortality	V01-Y89
Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85

Figure 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
295 Railway accidents	V05, V15, V80.6, V81.2-V81.9
Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2
296 Pedestrian involved in collision with motor vehicle	V02-V04
297 Pedalcyclist involved in collision with motor vehicle	V12-V14, V19.0-V19.2, V19.4-V19.6
298 Motorcyclist involved in any accident except collision with railway train	V20-V24, V26-V34, V36-V39
Motor vehicle accident involving collision with railway train	V25, V35, V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
299 Motorcyclist involved in collision with railway train	V25, V35
300 Other motor vehicle accident involving collision with railway train	V45, V55, V65, V75, V81.0-V81.1, V87.6, V88.6
301 Occupant of motor vehicle involved in collision with other (non-motorized) road vehicle, streetcar, animal or pedestrian	V40-V41, V46-V47, V50-V51, V56-V57, V60-V61, V66-67, V70-V71, V76-V77
302 Occupant of car, pickup truck or van involved in collision with other motor vehicle	V42-V44, V49, V52-V54, V59
303 Occupant of heavy transport vehicle or bus involved in collision with other motor vehicle	V62-V64, V69, V72-V74, V79
304 Occupant of motor vehicle involved in noncollision accident	V48, V58, V68, V78
305 Occupant of special-use motor vehicle involved in any accident	V83-V86
306 Other and unspecified motor vehicle accidents	V09.0, V09.2, V80.3-V80.5, V82.0-V82.1, V87.0-V87.5, V87.7-V87.8, V88.0-V88.5, V88.7-V88.8, V89.0, V89.2
307 Streetcar accidents	V82.2-V82.9
308 Other and unspecified land transport accidents	V01, V06, V09.1, V09.3, V09.9, V10-V11, V16-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.7-V80.9, V87.9, V88.9, V89.1, V89.3, V89.9
309 Water transport accidents	V90-V94
310 Air and space transport accidents	V95-V97
311 Other and unspecified transport accidents and their sequelae	V98-V99, Y85
Falls	W00-W19
312 Fall on same level	W00-W09, W18
313 Fall from one level to another	W10-W17
314 Unspecified fall	W19
315 Accidental discharge of firearms	W32-W34
316 Accidental explosion	W39-W40
317 Accidental drowning and submersion	W65-W74
318 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
319 Other accidental and unspecified threats to breathing	W75-W77, W81-W84
320 Accidental exposure to electric current	W85-W87
321 Accidental exposure to radiation	W88-W91

FIGURE 2 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
322 Accidental exposure to smoke, fire and flames	X00-X09
323 Accidental contact with heat and hot substances	X10-X19
324 Lightning	X33
325 Earthquake, volcanic eruption, avalanche, landslide and other earth movements	X34-X36
326 Cataclysmic storm and flood	X37-X38
Accidental poisoning and exposure to noxious substances	X40-X49
327 Accidental poisoning by and exposure to drugs and other biological substances	X40-X44
328 Accidental poisoning by and exposure to other and unspecified solid or liquid substances	X45-X46, X48-X49
329 Accidental poisoning by and exposure to other gases and vapors	X47
330 All other and unspecified accidents and their sequelae	W20-W31, W35-W38, W41-W64, W92-W99, X20-X32, X39, X50-X59, Y86
Intentional self-harm (suicide)	X60-X84, Y87.0
331 Intentional self-poisoning (suicide) by and exposure to drugs and other biological substances	X60-X64
332 Intentional self-poisoning (suicide) by and exposure to other and unspecified solid or liquid substances and their vapors	X65-X66, X68-X69
333 Intentional self-poisoning (suicide) by and exposure to other gases and vapors	X67
334 Intentional self-harm (suicide) by hanging, strangulation and suffocation	X70
335 Intentional self-harm (suicide) by discharge of firearms	X72-X74
336 Intentional self-harm (suicide) by jumping from a high place	X80
337 Intentional self-harm (suicide) by all other and unspecified means and their sequelae	X71, X75-X79, X81-X84, Y87.0
Assault (homicide)	X85-Y09, Y87.1
338 Assault (homicide) by drugs, biological substances and other and unspecified noxious substances	X85-X90
339 Assault (homicide) by hanging, strangulation and suffocation	X91
340 Assault (homicide) by discharge of firearms	X93-X95
341 Assault (homicide) by sharp object	X99
342 Assault (homicide) by blunt object	Y00
343 Assault (homicide) by bodily force	Y04
344 Sexual assault (homicide) by bodily force	Y05
345 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
346 Assault (homicide) by all other and unspecified means and their sequelae	X92, X96-X98, Y01-Y03, Y08-Y09, Y87.1
347 Poisoning by and exposure to drugs and biological substances, undetermined intent	Y10-Y14
348 Poisoning by and exposure to other and unspecified solid or liquid substance, undetermined intent	Y15-Y16, Y18-Y19
349 Poisoning by and exposure to other gases and vapors, undetermined intent	Y17

Figure 2 (CONCLUDED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 358 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
350 Discharge of firearms, undetermined intent	Y22-Y24
351 Falling, jumping or pushed from a high place, undetermined intent	Y30
352 All other and unspecified events of undetermined intent and their sequelae	Y20-Y21, Y25-Y29, Y31-Y34, Y87.2, Y89.9
Legal intervention	Y35, Y89.0
353 Legal execution	Y35.5
354 Other legal intervention and their sequelae	Y35.0-Y35.4, Y35.6-Y35.7, Y89.0
355 Operations of war and their sequelae	Y36, Y89.1
Complications of medical and surgical care	Y40-Y84, Y88
356 Drugs, medicaments and biological substances causing adverse effects in therapeutic use, and their sequelae	Y40-Y59, Y88.0
357 Misadventures to patients during medical and surgical care and their sequelae	Y60-Y69, Y88.1
358 Other complications of medical and surgical care and their sequelae	Y70-Y84, Y88.2-Y88.3

Figure 3
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
All causes	
1# Salmonella infections	A01-A02
2# Shigellosis and amebiasis	A03, A06
3 Certain other intestinal infections	A04, A07-A09
# Tuberculosis	A16-A19
4 Respiratory tuberculosis	A16
5 Other tuberculosis	A17-A19
6# Whooping cough	A37
7# Scarlet fever and erysipelas	A38, A46
8# Meningococcal infection	A39
9# Septicemia	A40-A41
10# Syphilis	A50-A53
11# Acute poliomyelitis	A80
12# Arthropod-borne viral encephalitis	A83-A84, A85.2
13# Measles	B05
14# Viral hepatitis	B15-B19
15# Human immunodeficiency virus (HIV) disease	B20-B24
16# Malaria	B50-B54
17 Other and unspecified infectious and parasitic diseases and their sequelae	A00, A05, A20-A36, A42-A44, A48-A49, A54-A79, A81-A82, A85.0-A85.1, A85.8, A86-B04, B06-B09, B25-B49, B55-B99
# Malignant neoplasms	C00-C97
18 Malignant neoplasms of lip, oral cavity and pharynx	C00-C14
19 Malignant neoplasm of esophagus	C15
20 Malignant neoplasm of stomach	C16
21 Malignant neoplasms of colon, rectum and anus	C18-C21
22 Malignant neoplasms of liver and intrahepatic bile ducts	C22
23 Malignant neoplasm of pancreas	C25
24 Malignant neoplasm of larynx	C32
25 Malignant neoplasms of trachea, bronchus and lung	C33-C34
26 Malignant melanoma of skin	C43
27 Malignant neoplasm of breast	C50
28 Malignant neoplasm of cervix uteri	C53
29 Malignant neoplasms of corpus uteri and uterus, part unspecified	C54-C55
30 Malignant neoplasm of ovary	C56
31 Malignant neoplasm of prostate	C61
32 Malignant neoplasms of kidney and renal pelvis	C64-C65
33 Malignant neoplasm of bladder	C67
34 Malignant neoplasms of meninges, brain and other parts of central nervous system	C70-C72
Malignant neoplasms of lymphoid, hematopoietic and related tissue	C81-C96
35 Hodgkin's disease	C81
36 Non-Hodgkin's lymphoma	C82- C85

Figure 3 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
37 Leukemia	C91-C95
38 Multiple myeloma and immuno-proliferative neoplasms	C88, C90
39 Other and unspecified malignant neoplasms of lymphoid, hematopoietic and related tissue	C96
40 All other and unspecified malignant neoplasms	C17, C23-C24, C26-C31, C37-C41, C44-C49, C51-C52, C57-C60, C62-C63, C66, C68-C69, C73-C80, C97
41# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
42# Anemias	D50-D64
43# Diabetes mellitus	E10-E14
# Nutritional deficiencies	E40-E64
44 Malnutrition	E40-E46
45 Other nutritional deficiencies	E50-E64
46# Meningitis	G00,G03
47# Parkinson's disease	G20-G21
48# Alzheimer's disease	G30
Major cardiovascular diseases	I00-I78
# Diseases of heart	I00-I09, I11, I13, I20-I51
49 Acute rheumatic fever and chronic rheumatic heart diseases	I00-I09
50 Hypertensive heart disease	I11
51 Hypertensive heart and renal disease	I13
Ischemic heart diseases	I20-I25
52 Acute myocardial infarction	I21-I22
53 Other acute ischemic heart diseases	I24
Other forms of chronic ischemic heart disease	I20, I25
54 Atherosclerotic cardiovascular disease, so described	I25.0
55 All other forms of chronic ischemic heart disease	I20, I25.1-I25.9
Other heart diseases	I26-I51
56 Acute and subacute endocarditis	I33
57 Diseases of pericardium and acute myocarditis	I30-I31, I40
58 Heart failure	I50
59 All other forms of heart disease	I26-I28, I34-I38, I42-I49, I51
60# Essential (primary) hypertension and hypertensive renal disease	I10, I12
61# Cerebrovascular diseases	I60-I69
62# Atherosclerosis	I70
Other diseases of circulatory system	I71-I78
63# Aortic aneurysm and dissection	I71
64 Other diseases of arteries, arterioles and capillaries	I72-I78
65 Other disorders of circulatory system	I80-I99
# Influenza and pneumonia	J10-J18
66 Influenza	J10-J11
67 Pneumonia	J12-J18
Other acute lower respiratory infections	J20-J22
68# Acute bronchitis and bronchiolitis	J20-J21
69 Unspecified acute lower respiratory infection	J22

Figure 3 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
# Chronic lower respiratory diseases	J40-J47
70 Bronchitis, chronic and unspecified	J40-J42
71 Emphysema	J43
72 Asthma	J45-J46
73 Other chronic lower respiratory diseases	J44, J47
74# Pneumoconioses and chemical effects	J60-J66, J68
75# Pneumonitis due to solids and liquids	J69
76 Other diseases of respiratory system	J00-J06, J30-J39, J67, J70-J98
77# Peptic ulcer	K25-K28
78# Diseases of appendix	K35-K38
79# Hernia	K40-K46
# Chronic liver disease and cirrhosis	K70, K73-K74
80 Alcoholic liver disease	K70
81 Other chronic liver disease and cirrhosis	K73-K74
82# Cholelithiasis and other disorders of gallbladder	K80-K82
# Nephritis, nephrotic syndrome and nephrosis	N00-N07, N17-N19, N25-N27
83 Acute and rapidly progressive nephritic and nephrotic syndrome	N00-N01, N04
84 Chronic glomerulonephritis, nephritis and nephritis not specified as acute or chronic, and renal sclerosis unspecified	N02-N03, N05-N07, N26
85 Renal failure	N17-N19
86 Other disorders of kidney	N25, N27
87# Infections of kidney	N10-N12, N13 6, N15,1
88# Hyperplasia of prostate	N40
89# Inflammatory diseases of female pelvic organs	N70-N76
# Pregnancy, childbirth and the puerperium	O00-O99
90 Pregnancy with abortive outcome	O00-O07
91 Other complications of pregnancy, childbirth and the puerperium	O10-O99
92# Certain conditions originating in the perinatal period	P00-P96
93# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
94 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
95 All other diseases (Residual)	D65-E07, E15-E34, E65-F99, G04-G12, G23-G25, G31-H93, K00-K22, K29-K31, K50-K66, K71-K72, K75-K76, K83-M99, N13.9, N14, N15.0, N15.8-N15.9, N20-N23, N28-N39, N41-N64, N80-N98
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
96 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 3 (CONCLUDED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 113 SELECTED CAUSES OF DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
97 Other land transport accidents	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, 80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9
98 Water, air and space, and other and unspecified transport accidents and their sequelae	V90-V99, Y85
Nontransport accidents	W00-X59, Y86
99 Falls	W00-W19
100 Accidental discharge of firearms	W32-W34
101 Accidental drowning and submersion	W65-W74
102 Accidental exposure to smoke, fire and flames	X00-X09
103 Accidental poisoning and exposure to noxious substances	X40-X49
104 Other and unspecified nontransport accidents and their sequelae	W20-W31, W35-W64, W75-W99, X10-X39, X50-X59, Y86
# Intentional self-harm (suicide)	X60-X84, Y87.0
105 Intentional self-harm (suicide) by discharge of firearms	X72-X74
106 Intentional self-harm (suicide) by other and unspecified means and their sequelae	X60-X71, X75-X84, Y87.0
# Assault (homicide)	X85-Y09, Y87.1
107 Assault (homicide) by discharge of firearms	X93-X95
108 Assault (homicide) by other and unspecified means and their sequelae	X85-X92, X96-Y09, Y87.1
109# Legal intervention	Y35, Y89.0
Events of undetermined intent	Y10-Y34, Y87.2, Y89.9
110 Discharge of firearms, undetermined intent	Y22-Y24
111 Other and unspecified events of undetermined intent and their sequelae	Y10-Y21, Y25-Y34, Y87.2, Y89.9
112# Operations of war and their sequelae	Y36, Y89.1
113# Complications of medical and surgical care	Y40-Y84, Y88

Figure 4

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
All causes	
Certain infectious and parasitic diseases	A00-B99
1 Certain intestinal infectious diseases	A00-A08
2# Diarrhea and gastroenteritis of presumed Infectious origin	A09
3# Tuberculosis	A16-A19
4# Tetanus	A33,A35
5# Diphtheria	A36
6# Whooping cough	A37
7# Meningococcal infection	A39
8# Septicemia	A40-A41
9# Congenital syphilis	A50
10# Gonococcal infection	A54
Viral diseases	A80-B34
11# Acute poliomyelitis	A80
12# Varicella (chickenpox)	B01
13# Measles	B05
14# Human immunodeficiency virus (HIV) disease	B20-B24
15# Mumps	B26
16 Other and unspecified viral diseases	A81-B00, B02-B04, B06-B19, B25, B27-B34
17# Candidiasis	B37
18# Malaria	B50-B54
19# Pneumocystosis	B59
20 Other and unspecified infectious and parasitic diseases and their sequelae	A20-A32, A38, A42-A49, A51-A53, A55-A79, B35-B36, B38-B49, B55-B58, B60-B99
Neoplasms	C00-D48
# Malignant neoplasms	C00-C97
21 Hodgkin's disease and non- Hodgkin's lymphomas	C81-C85
22 Leukemia	C91-C95
23 Other and unspecified malignant neoplasms	C00-C80,C88,C90,C96-C97
24# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
# Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism	D50-D89
25 Anemias	D50-D64
26 Hemorrhagic conditions and other diseases of blood and blood-forming organs	D65-D76
27 Certain disorders involving the immune mechanism	D80-D89
Endocrine, nutritional and metabolic diseases	E00-E88
28# Short stature, not elsewhere classified	E34.3
29# Nutritional deficiencies	E40-E64
30# Cystic fibrosis	E84

Figure 4 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
31# Volume depletion, disorders of fluid, electrolyte and acid-base balance	E86-E87
32 All other endocrine, nutritional and metabolic diseases	E00-E32, E34.0-E34.2, E34.4-E34.9, E65-E83, E85, E88
Diseases of the nervous system	G00-G98
33# Meningitis	G00, G03
34# Infantile spinal muscular atrophy, type I (Werdnig-Hoffman)	G12.0
35# Infantile cerebral palsy	G80
36# Anoxic brain damage, not elsewhere classified	G93.1
37 Other diseases of nervous system	G04, G06-G11, G12.1-G12.9, G20-G72, G81-G92, G93.0, G93.2-G93.9, G95-G98
38# Diseases of the ear and mastoid process	H60-H93
# Diseases of the circulatory system	I00-I99
39 Pulmonary heart disease and diseases of pulmonary circulation	I26-I28
40 Pericarditis, endocarditis and myocarditis	I30, I33, I40
41 Cardiomyopathy	I42
42 Cardiac arrest	I46
43 Cerebrovascular diseases	I60-I69
44 All other diseases of circulatory system	I00-I25, I31, I34-I38, I44-I45, I47-I51, I70-I99
Diseases of the respiratory system	J00-J98
45# Acute upper respiratory infections	J00-J06
# Influenza and pneumonia	J10-J18
46 Influenza	J10-J11
47 Pneumonia	J12-J18
48# Acute bronchitis and acute bronchiolitis	J20-J21
49# Bronchitis, chronic and unspecified	J40-J42
50# Asthma	J45-J46
51# Pneumonitis due to solids and liquids	J69
52 Other and unspecified diseases of respiratory system	J22, J30-J39, J43-J44, J47-J68, J70-J98
Diseases of the digestive system	K00-K92
53# Gastritis, duodenitis, and noninfective enteritis and colitis	K29, K50-K55
54# Hernia of abdominal cavity and intestinal obstruction without hernia	K40-K46, K56
55 All other and unspecified diseases of digestive system	K00-K28, K30-K38, K57-K92
Diseases of the genitourinary system	N00-N98
56# Renal failure and other disorders of kidney	N17-N19, N25, N27
57 Other and unspecified diseases of genitourinary system	N00-N15, N20-N23, N26, N28-N98
Certain conditions originating in the perinatal period	P00-P96
Newborn affected by maternal factors and by complications of pregnancy, labor and delivery	P00-P04
58# Newborn affected by maternal hypertensive disorders	P00.0
59# Newborn affected by other maternal conditions which may be unrelated to present pregnancy	P00.1-P00.9

Figure 4 (CONTINED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
# Newborn affected by maternal complications of pregnancy	P01
60 Newborn affected by incompetent cervix	P01.0
61 Newborn affected by premature rupture of membranes	P01.1
62 Newborn affected by multiple pregnancy	P01.5
63 Newborn affected by other maternal complications of pregnancy	P01.2-P01.4, P01.6-P01.9
# Newborn affected by complications of placenta, cord and membranes	P02
64 Newborn affected by complications involving placenta	P02.0-P02.3
65 Newborn affected by complications involving cord	P02.4-P02.6
66 Newborn affected by chorioamnionitis	P02.7
67 Newborn affected by other and unspecified abnormalities of membranes	P02.8-P02.9
68# Newborn affected by other complications of labor and delivery	P03
69# Newborn affected by noxious influences transmitted via placenta or breast milk	P04
Disorders related to length of gestation and fetal malnutrition	P05-P08
70# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birthweight, not elsewhere classified	P07
71 Extremely low birth weight or extreme immaturity	P07.0, P07.2
72 Other low birth weight or preterm	P07.1, P07.3
73# Disorders related to long gestation and high birth weight	P08
74# Birth trauma	P10-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
75 Intrauterine hypoxia	P20
76 Birth asphyxia	P21
77# Respiratory distress of newborn	P22
Other respiratory conditions originating in the perinatal period	P23-P28
78# Congenital pneumonia	P23
79# Neonatal aspiration syndromes	P24
80# Interstitial emphysema and related conditions originating in the perinatal period	P25
81# Pulmonary hemorrhage originating in the perinatal period	P26
82# Chronic respiratory disease originating in the perinatal period	P27
83# Atelectasis	P28.0-P28.1
84 All other respiratory conditions originating in the perinatal period	P28.2-P28.9
Infections specific to the perinatal period	P35-P39
85# Bacterial sepsis of newborn	P36
86# Omphalitis of newborn with or without mild hemorrhage	P38
87 All other infections specific to the perinatal period	P35, P37, P39
Hemorrhagic and hematological disorders of newborn	P50-P61
88# Neonatal hemorrhage	P50-P52, P54
89# Hemorrhagic disease of newborn	P53

Figure 4 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
90# Hemolytic disease of newborn due to isoimmunization and other perinatal jaundice	P55-P59
91# Hematological disorders	P60-P61
92# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P70.0-P70.2
93# Necrotizing enterocolitis of newborn	P77
94# Hydrops fetalis not due to hemolytic disease	P83.2
95 Other perinatal conditions	P29, P70.3-P70.9, P71-P76, P78- P81, P83.0-P83.1, P83.3-P83.9, P90-P96
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
96 Anencephaly and similar malformations	Q00
97 Congenital hydrocephalus	Q03
98 Spina bifida	Q05
99 Other congenital malformations of nervous system	Q01-Q02, Q04, Q06-Q07
100 Congenital malformations of heart	Q20-Q24
101 Other congenital malformations of circulatory system	Q25-Q28
102 Congenital malformations of respiratory system	Q30-Q34
103 Congenital malformations of digestive system	Q35-Q45
104 Congenital malformations of genitourinary system	Q50-Q64
105 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
106 Down's syndrome	Q90
107 Edward's syndrome	Q91.0-Q91.3
108 Patau's syndrome	Q91.4-Q91.7
109 Other congenital malformations and deformations	Q10-Q18, Q86-Q89
110 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R99
111# Sudden infant death syndrome	R95
112 Other symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R00-R53, R55-R94, R96-R99
113 All other diseases (Residual)	F01-F99, H00-H57, L00-M99
External causes of mortality	V01-Y89
# Accidents	V01-X59, Y85-Y86
Transport accidents	V01-V99, Y85
114 Motor vehicle accidents	V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

Figure 4 (CONCLUDED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 130 SELECTED CAUSES OF INFANT DEATH**

UNDERLYING CAUSE OF DEATH	ICD-10 CODE(S)
115 Other and unspecified transport accidents and their sequelae	V01, V05-V06, V09.1, V09.3-V09.9, V10-V11, V15-V18, V19.3, V19.8-V19.9, V80.0-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.1, V89.3, V89.9, V90-V99, Y85
116 Falls	W00-W19
117 Accidental discharge of firearms	W32-W34
118 Accidental drowning and submersion	W65-W74
119 Accidental suffocation and strangulation in bed	W75
120 Other accidental suffocation and strangulation	W76-W77, W81-W84
121 Accidental inhalation and ingestion of food or other objects causing obstruction of respiratory tract	W78-W80
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36, Y87 0, Y87 2, Y89
122 Accidents caused by exposure to smoke, fire and flames	X00-X09
123 Accidental poisoning and exposure to noxious substances	X40-X49
124 Other and unspecified accidents and their sequelae	W20-W31, W35-W64, W85-W99, X10-X39, X50-X59, Y86
# Assault (homicide)	X85-Y09, Y87.1
125 Assault (homicide) by hanging, strangulation and suffocation	X91
126 Assault (homicide) by discharge of firearms	X93-X95
127 Neglect, abandonment and other maltreatment syndromes	Y06-Y07
128 Assault (homicide) by other and unspecified means and their sequelae	X85-X90, X92, X96-X99, Y00-Y05, Y08-Y09, Y87.1
129# Complications of medical and surgical care	Y40-Y84, Y88
130 Other external causes and their sequelae	X60-X84, Y10-Y36, Y87 0, Y87 2, Y89

Figure 5

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH**

All causes	
Certain infectious and parasitic diseases	A00-B99
1# Congenital syphilis	A50
2# Human immunodeficiency virus (HIV) disease	B20-B24
3 Other viral diseases	A80-B19,B25-B34
4 Other and unspecified infectious and parasitic diseases	A00-A49,A51-A79,B35-B99
5# Malignant neoplasms	C00-C97
6# In situ neoplasms, benign neoplasms and neoplasms of uncertain or unknown behavior	D00-D48
7# Anemias	D50-D64
Endocrine, nutritional and metabolic diseases	E00-E88
8# Short stature, not elsewhere classified	E343
9# Cystic fibrosis	E84
10 Other endocrine, nutritional and metabolic diseases	E00-E32,E340-E342,E344-E349,E40-E83,E85-E88
11# Meningitis	G00,G03
12 Other diseases of nervous system and sense organs	G04-H93
13# Umbilical hernia	K42
14 Other hernia	K40-K41,K43-K46
15 Other and unspecified diseases of digestive system	K00-K38,K50-K92
16 All other diseases, excluding perinatal conditions, congenital anomalies, and symptoms, signs and ill-defined conditions	D65-D89,I00-J98,L00-N98
Certain conditions originating in the perinatal period	P00-P96
# Fetus affected by maternal conditions that may be unrelated to present pregnancy	P00
17 Fetus affected by maternal hypertensive disorders	P000
18 Fetus affected by maternal renal and urinary tract diseases	P001
19 Fetus affected by maternal infectious and parasitic diseases	P002
20 Fetus affected by other maternal circulatory and respiratory diseases	P003
21 Fetus affected by maternal nutritional disorders	P004
22 Fetus affected by maternal injury	P005
23 Fetus affected by surgical procedure on mother	P006
24 Fetus affected by other medical procedures and maternal conditions	P007-P008
25 Fetus affected by unspecified maternal condition	P009
# Fetus affected by maternal complications of pregnancy	P01
26 Fetus affected by incompetent cervix	P010
27 Fetus affected by premature rupture of membranes	P011
28 Fetus affected by oligohydramnios	P012

Figure 5 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH**

29 Fetus affected by polyhydramnios	P013
30 Fetus affected by ectopic pregnancy	P014
31 Fetus affected by multiple pregnancy	P015
32 Fetus affected by maternal death	P016
33 Fetus affected by malpresentation before labor	P017
34 Fetus affected by other and unspecified maternal complications of pregnancy	P018-P019
# Fetus affected by complications of placenta, cord and membranes	P02
35 Fetus affected by placenta previa	P020
36 Fetus affected by other forms of placental separation and hemorrhage	P021
37 Fetus affected by other and unspecified morphological and functional abnormalities of placenta	P022
38 Fetus affected by placental transfusion syndromes	P023
39 Fetus affected by prolapsed cord	P024
40 Fetus affected by other compression of umbilical cord	P025
41 Fetus affected by other and unspecified conditions of umbilical cord	P026
42 Fetus affected by chorioamnionitis	P027
43 Fetus affected by other and unspecified abnormalities of membranes	P028-P029
# Fetus affected by other complications of labor and delivery	P03
44 Fetus affected by breech delivery and extraction	P030
45 Fetus affected by other malpresentation, malposition and disproportion during labor and delivery	P031
46 Fetus affected by forceps delivery	P032
47 Fetus affected by delivery by vacuum extractor (ventouse)	P033
48 Fetus affected by cesarean delivery	P034
49 Fetus affected by precipitate delivery	P035
50 Fetus affected by abnormal uterine contractions	P036
51 Fetus affected by other and unspecified complications of labor and delivery	P038-P039
52# Fetus affected by noxious influences transmitted via placenta	P04
53# Slow fetal growth and fetal malnutrition	P05
# Disorders related to short gestation and low birth weight, not elsewhere classified	P07

Figure 5 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH**

54 Extremely low birth weight or extreme immaturity	P070,P072
55 Other low birth weight and preterm	P071,P073
# Disorders related to long gestation and high birth weight	P08
56 Exceptionally large size and other heavy for gestational age fetus	P080-P081
57 Post-term, not heavy for gestational age fetus	P082
# Birth trauma	P10-P15
58 Intracranial laceration and hemorrhage due to birth injury and other injuries to central nervous system	P10-P11
59 Other birth trauma	P12-P15
# Intrauterine hypoxia and birth asphyxia	P20-P21
60 Intrauterine hypoxia first noted before onset of labor	P200
61 Intrauterine hypoxia first noted during labor and delivery	P201
62 Intrauterine hypoxia, unspecified	P209
63 Birth asphyxia	P21
Other respiratory conditions originating in the perinatal period	P23-P28
64# Congenital pneumonia	P23
65# Aspiration syndromes	P24
66# Interstitial emphysema and related conditions originating in the perinatal period	P25
67# Atelectasis	P280-P281
68 Other respiratory system disorders	P26-P27,P282-P289
Infections specific to the perinatal period	P35-P39
69# Congenital rubella syndrome	P350
70# Congenital cytomegalovirus infection	P351
71# Congenital herpesviral (herpes simplex) infection	P352
72# Congenital viral hepatitis	P353
73# Bacterial sepsis	P36
74# Congenital tuberculosis	P370
75# Congenital toxoplasmosis	P371
76 Other infections specific to the perinatal period	P358-P359,P372-P379,P38-P39
77# Fetal hemorrhage	P50-P54
# Hemolytic disease of fetus	P55-P56
78 Rh isoimmunization of fetus	P550
79 ABO isoimmunization of fetus	P551
80 Other hemolytic disease of fetus	P558-P559
81 Hydrops fetalis due to hemolytic disease	P56
82# Perinatal jaundice	P57-P59
83# Hematological disorders	P60-P61
Transitory endocrine and metabolic disorders specific to fetus	P70-P74

Figure 5 (CONTINUED)

**INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH**

84# Syndrome of infant of a diabetic mother and neonatal diabetes mellitus	P700-P702
85 Other transitory endocrine and metabolic disorders specific to fetus	P703-P709,P71-P74
86# Digestive system disorders of fetus	P76-P78
Other conditions originating in the perinatal period	P80-P96
87# Hydrops fetalis not due to hemolytic disease	P832
88# Fetal death of unspecified cause	P95
89# Withdrawal symptoms from maternal use of drugs of addiction	P961
90# Termination of pregnancy	P964
91# Complications of intrauterine procedures, not elsewhere classified	P965
92 All other specified conditions originating in the perinatal period	P80-P81,P830-P831,P833-P839,P90-P91,P93-P94,P960,P963,P968
93 Condition originating in the perinatal period, unspecified	P969
# Congenital malformations, deformations and chromosomal abnormalities	Q00-Q99
Congenital malformations of nervous system	Q00-Q07
94 Anencephaly and similar malformations	Q00
95 Encephalocele	Q01
96 Microcephaly	Q02
97 Congenital hydrocephalus	Q03
98 Reduction deformities of brain	Q040-Q043
99 Other congenital malformations of brain	Q044-Q049
100 Spina bifida	Q05
101 Other congenital malformations of spinal cord and nervous system	Q06-Q07
102 Congenital malformations of eye, ear, face and neck	Q10-Q18
103 Congenital malformations of heart	Q20-Q24
104 Other congenital malformations of circulatory system	Q25-Q28
105 Congenital malformations of lung	Q33
106 Other congenital malformations of respiratory system	Q30-Q32,Q34
107 Congenital malformations of digestive system	Q35-Q45
108 Congenital malformations of genital organs	Q50-Q56
Congenital malformations of urinary system	Q60-Q64
109 Renal agenesis and other reduction defects of kidney	Q60
110 Cystic kidney disease	Q61
111 Other congenital malformations of urinary system	Q62-Q64

Figure 5 (CONCLUDED)
INTERNATIONAL STATISTICAL CLASSIFICATION OF DISEASES AND HEALTH-RELATED
PROBLEMS (ICD-10)
LIST OF 124 SELECTED CAUSES OF FETAL DEATH

112 Congenital malformations and deformations of musculoskeletal system, limbs and integument	Q65-Q85
Other congenital malformations	Q86-Q89
113 Conjoined twins	Q894
114 Multiple congenital malformations, not elsewhere classified	Q897
115 All other congenital malformations	Q86-Q87,Q890-Q893,Q898-Q899
Chromosomal abnormalities, not elsewhere classified	Q90-Q99
116 Down's syndrome	Q90
117 Edward's syndrome	Q910-Q913
118 Patau's syndrome	Q914-Q917
119 Other chromosomal abnormalities, not elsewhere classified	Q92-Q99
120 Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified	R83-R94
External causes of mortality	V01-Y84
121# Accidents	V01-X59
122# Assault (homicide)	X85-Y09
123# Complications of medical and surgical care	Y40-Y84
124 Other external causes	Y10-Y36

USE OF RATES AND RATIOS

It is sometimes quite useful to adjust a rate or ratio for factors in the population that may affect the measurement. For instance, mortality rates, expressed as numbers of deaths per 1,000 or 100,000 resident population, can be adjusted to account for the effects of demographic factors that might affect mortality, such as race or age composition of the population. Where such adjustments have been made in this report, that fact is indicated in the title or footnote of the table or graph.

However, most reference tables in this report present rates and ratios that have not been adjusted to account for such factors. In such "crude" rates, the denominator is the estimated state or county population, divided by 1,000 or 100,000, and the numerator is the number of events, not weighted by any factor. Examples of crude rates are given in the DEFINITIONS section below.

DEFINITIONS

This section provides definitions of selected demographic, statistical, and medical terms as they are used in this publication. The terms are listed in alphabetical order. Cause of death, race, marital status, and population estimates, discussed elsewhere in the TECHNICAL OVERVIEW SECTION, are not included here.

ABORTION - the spontaneous or induced termination of a pregnancy, without live birth or unintended death.

ABORTION RATIO - the number of induced abortions reported to the OVS, compared to the number of live births. It is calculated as follows:

$$\text{Abortion ratio} = \frac{\text{Number of induced abortions}}{\text{Number of live births}} \times 1,000$$

AGE - the calculated or reported age of the person(s) involved in a vital or reportable event. For fetal deaths, parents' reported ages were used. For births, induced abortions, marriages, divorces, and reportable cancers, age was calculated based on reported date of birth and date of the event. For deaths, age was calculated as the number of days between birth and death dates. Age in days was divided by 365.25 and truncated to yield age in years if the decedent was one year old or older. Where the record of the month or day of birth were incomplete or invalid, the month was assumed to be June and the day was assumed to be the 15th for the calculation of age in years.

AGE-ADJUSTED DEATH RATE - an index number that represents the crude death rate that would occur if the observed age-specific death rates were present in a population with an age distribution identical to that of a standard population. It is derived from several age-specific death rates and used to compare relative mortality risks from one group to another (including comparisons of the resident populations of a single geographic region at different times). Statistically, it is a weighted average of the age-specific rates, with the weights representing the proportionate distribution of age in a hypothetical population. It is possible to adjust death rates for other demographic variables that might influence mortality, such as race, sex, or ancestry. (See AGE-SPECIFIC DEATH RATE below and AGE-ADJUSTED DEATH RATES in the MORTALITY section of the report for more discussion.) It is

calculated in this report by the direct method, using the 2000 U.S. population as the standard population, as follows:

$$\text{Age - adjusted death rate} = \sum_{i=1}^{11} S_i w_i$$

where S_i = the age - specific death rate for the i^{th} age group

where w_i = the weight of the i^{th} age group in the standard population

AGE-SPECIFIC DEATH RATE – the proportion of deaths in a specific age group, expressed as a number per thousand persons in that age group. The “standard 11” age groups are typically used: 0 years of age, 1 – 4 years of age, 5 – 14, 15 – 24, ... , 75 – 84, and 85 years of age or older. It is calculated as follows:

$$\text{Age specific death rate} = \frac{\text{Number of deaths within the age group}}{\text{Midyear population of the age group}} \times 1,000$$

APGAR SCORE - an evaluation of a newborn infant’s physical status that assigns numerical values (0-2) to each of five criteria 1) heart rate, 2) respiratory effort, 3) muscle tone, 4) response stimulation, and 5) skin color; a score of eight to ten indicates the best possible condition.

AT-RISK POPULATION - all of the persons to whom a given event could occur. The at-risk or “subject” population is the denominator in a rate calculation. (See the use of “at risk” in the definition of FERTILITY RATE).

BIRTH RATE - the proportion of live births in the total population, expressed as a number per thousand persons in that population. Unless otherwise stated, the birth rate is the annual, crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude birth rate} = \frac{\text{Number of live births}}{\text{Midyear population}} \times 1,000$$

DEATH RATE - the proportion of deaths in the total population, expressed as a number per thousand population. Unless otherwise stated, the death rate is the annual crude rate, unadjusted for factors affecting the population. It is calculated as follows:

$$\text{Crude death rate} = \frac{\text{Number of deaths}}{\text{Midyear population}} \times 1,000$$

EXTREMELY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,000 grams (about 2 pounds 3.25 ounces).

FERTILITY RATE - the total number of live births as a proportion of the estimated female population at risk, expressed as a number per thousand women in that population. The population at risk of experiencing a birth is all fertile women. The approximation used is all women in the main childbearing ages (15 to 44 years). It is calculated as follows:

$$\text{Fertility rate} = \frac{\text{Number of live births}}{\text{Midyear population of women aged 15 – 44}} \times 1,000$$

FETAL DEATH - the reported birth of a fetus that shows no evidence of life after delivery--that is, no action of the heart, breathing, or movement of voluntary muscles. Montana law requires report of fetal death if the fetus weighed 350 grams or more or, if the weight is unknown, the delivery took place after 20 weeks of gestation. There is no requirement in Montana law to report the delivery of a non-viable fetus with a lower weight.

FETAL MORTALITY RATIO - the number of fetal deaths as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Fetal mortality ratio} = \frac{\text{Number of fetal deaths}}{\text{Number of live births}} \times 1,000$$

FREQUENCY - the number of occurrences of an event or observation; how often an event occurs.

ICD - the International Classification of Diseases code used to classify and report causes of death in vital statistics. This code is revised periodically. The current revision is called the International Statistical Classification of Diseases, Injuries, and Related Health Problems, Tenth Revision, and is published by the World Health Organization. In this report, the code is referred to as ICD-10. (See the “Cause of Death Certification” and “Cause of Death and Conversion to ICD-10” sections of this report for further details).

INCIDENCE - the number of new occurrences of an event within a population during a stated time period for a given number of persons in that population. The time period is assumed to be annual unless otherwise stated. The incidence rate for reportable diseases is expressed as the number of new cases per 100,000 population.

INDUCED ABORTION - a medical or surgical procedure that is intended to terminate a pregnancy without live birth.

INFANT - an individual less than 365 days (one year) old.

INFANT MORTALITY RATE - the number of infant deaths compared to the number of live births in that same period, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Infant mortality rate} = \frac{\text{Number of infant deaths}}{\text{Number of live births}} \times 1,000$$

INVALID MARRIAGE - a marriage deemed never to have been legal; a declaration of invalid marriage was formerly called an annulment.

LIVE BIRTH - the birth of a child who shows evidence of life after complete birth. Evidence of life includes heart action, breathing, or movement of voluntary muscles.

LOW BIRTH WEIGHT - the birth weight for a live-born infant of less than 2,500 grams (about five pounds, eight ounces).

MARITAL DISSOLUTION - legal termination of a valid marriage; a marital dissolution was formerly called a divorce.

MATERNAL DEATH – a death attributable to childbirth or complications of pregnancy, delivery, and the puerperium. Deaths attributable to such causes but occurring more than 42 days after delivery or termination of pregnancy are termed “late maternal deaths.”

MATERNAL MORTALITY RATE - the total number of maternal deaths as a proportion of total live births, expressed as a number per hundred thousand live births. It is calculated as follows:

$$\text{Maternal mortality rate} = \frac{\text{Number of maternal deaths}}{\text{Number of live births}} \times 100,000$$

MEAN - the arithmetic average, obtained by dividing the sum of individual values or scores by the number of values or scores observed. For example, the mean age for six persons aged 9, 10, 12, 13, 13, and 16 is 73 divided by 6, or 12.2 years.

MEDIAN - the midpoint; for our purposes, given a set with an odd number of values, the median is the middle value when arranged in numerical order. For a set with an even number of values, the median is the mean of the two “middle” values. For the example under the definition of MEAN, the median age is 12.5 years.

MODE - the most frequently observed value in a set of values. For the example under the definition of MEAN, the modal age is 13.

NATURAL INCREASE - the excess of births over deaths among residents of an area.

NEONATAL DEATH - a death occurring within the first 27 days of life.

NEOPLASM - a new, abnormal, malignant, or benign growth of tissue that is uncontrolled and progressive. Malignant neoplasms are commonly called cancers.

OUT-OF-WEDLOCK BIRTH RATIO - the number of births to unmarried women as compared to the number of live births, expressed as a number per thousand live births. It is calculated as follows:

$$\text{Out - of - wedlock birth ratio} = \frac{\text{Number of live out - of - wedlock births}}{\text{Number of livebirths}} \times 1,000$$

PARITY - the condition of a woman with respect to her having borne viable offspring. The parity of this birth is the number of live children the woman has borne, including those born in the current delivery.

PERCENTILE - (as in xxth percentile) a statistic used to describe the dispersion of a set of values. One-quarter of the values in a set are less than or equal to the value of the 25th percentile; one-half are less than or equal to the 50th percentile (or median); etc. The 25th and 75th percentiles are found by counting out to the first quarter and three quarter of the values, respectively. When this count lands between two values in the list, averages can be taken, although any number between the two would suffice. For the example under the definition of MEAN, the 25th percentile is 11 and the 75th percentile is 13.

PERINATAL DEATH - a death occurring near the time of birth. The number of perinatal deaths is the sum of registered fetal deaths and neonatal deaths.

PERINATAL MORTALITY RATE - the number of fetal deaths plus neonatal deaths as compared to the number of deliveries (fetal deaths plus live births), expressed as a number per thousand live births in that population. It is calculated as follows:

$$\text{Perinatal mortality rate} = \frac{\text{Number of fetal deaths} + \text{neonatal deaths}}{\text{Number of live births}} \times 1,000$$

PLACE OF OCCURRENCE - the location where an event took place, regardless of the usual residence of the person(s) involved.

PLACE OF RESIDENCE - the usual residence of the person(s) involved in a vital event, regardless of the event's place of occurrence. For births and fetal deaths, the mother's usual place of residence. For induced abortions, the usual place of residence of the patient. For deaths, the usual place of residence of the decedent.

PLURALITY - the number of infants born during this delivery.

POST-NEONATAL DEATH - during the first year of life, but after the first 27 days.

PUERPERIUM - the condition of the mother immediately following childbirth.

RATE - the frequency of an event in a population subject to that event, expressed as the frequency of occurrence per unit--generally 1,000 or 100,000--of the subject population. For example, the Montana resident birth rate per 1,000 population is the number of births to Montana resident women for every 1,000 men, women, and children in the Montana population.

RATIO - the comparison of two types of events occurring in a subject population, expressed as a frequency of occurrence per unit of one of the events. For instance, the Montana fetal mortality ratio is the number of fetal deaths per 1,000 live births to Montana resident women. The population, fertile women residing in Montana, is the same for both events, but the events are unlikely to have happened to the same women. Also, the total number of fertile women is not part of the calculation; the basis for the unit (the denominator) is live births, one of the events.

STAGE AT DIAGNOSIS -The extent to which a cancer has spread when it is first diagnosed. Summary stages for cancer diagnoses are:

In-Situ - An abnormal cell growth that meets the criteria for malignancy but does not invade the basement membrane of the organ involved.

Local - A cancer that is limited to the site of origin. It has not spread beyond the organ.

Regional - A cancer that extends to adjacent organs and/or regional lymph nodes, and appears to have spread no further.

Distant - A cancer that extends beyond adjacent organs and has spread to a distant site or distant lymph node.

Unknown - A cancer for which there is insufficient information available to determine the stage at diagnosis.

STANDARD DEVIATION - a measure of how “spread out” a set of values is, on average, from its mean. A small standard deviation indicates that, on average, the values are tightly grouped around the mean while a large standard deviation indicates that, on average, the values are scattered widely. For the series of values presented for the definition of MEAN, the standard deviation is 2.27. For a set of N values, it is computed as follows:

$$\text{Standard deviation} = \sqrt{\frac{1}{N} \sum_{i=1}^N (x_i - \mu)^2}$$

where μ = the mean of the set of N values

where x_i = the i^{th} value in the set of N values

SUBJECT POPULATION - see AT-RISK POPULATION.

SURVIVAL RATE - the percentage of people diagnosed with a life-threatening disease and remaining alive as of a stated time period after diagnosis.

THERAPIES - procedures used to treat cancer or other health conditions. The following are therapies for reportable cancers:

Biological Response Modifiers (BRM) Therapy - administration of a chemical that alters the patient’s immune system to destroy cancer growth.

Chemotherapy - administration of a drug to destroy cancer cells.

Hormone Therapy- administration of a hormone or steroid drug that destroys cancer by changing the hormone balance of the patient.

Radiation - the transmission of light, short radio waves, ultraviolet light, or x-rays to destroy cancer cells. Radiation may reduce the size, destroy the cancer, or stop growth of the cancer.

Surgery - a partial or total removal of a primary cancer or a metastatic cancer.

VERY LOW BIRTHWEIGHT - the birthweight of an infant of less than 1,500 grams (about 3 pounds 5 ounces).

YEARS OF POTENTIAL LIFE LOST (YPLL) - A measure of the cost of premature deaths that emphasizes deaths of the young by measuring the number of years lost to death before a given age, 75 years in this report. Statistically, YPLL is the difference between a given age and the decedent's age at death, summed for all decedents younger than the given age.

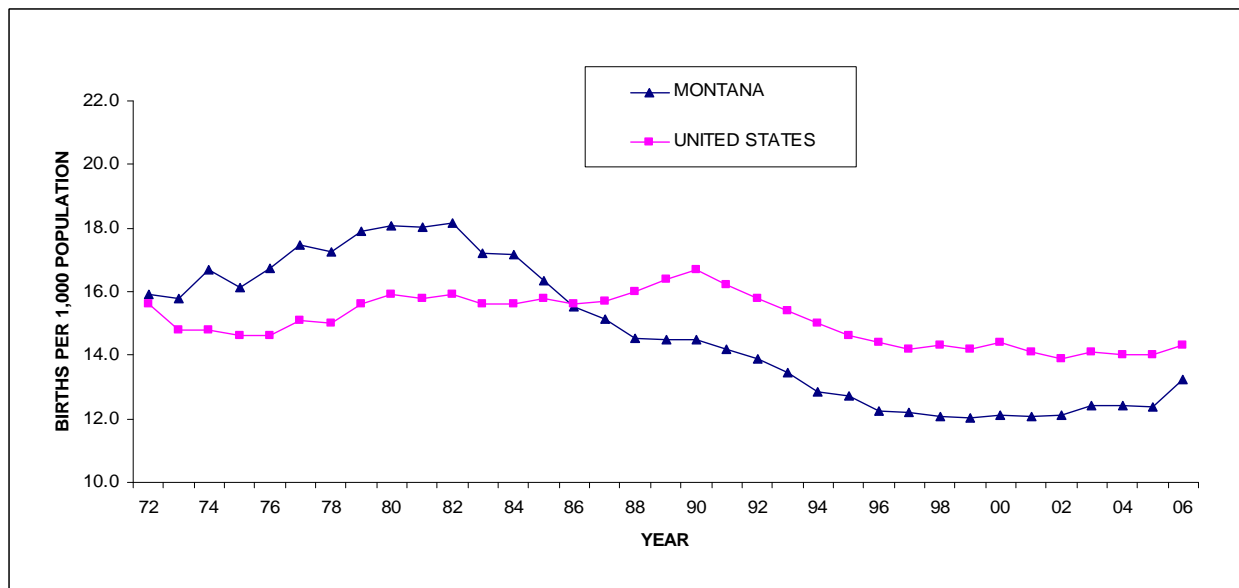
NATALITY

There were 12,499 babies born to Montana residents in 2006. **Table S-1** shows the frequency and rate of births occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1945 and those to all Montana residents (regardless of place of occurrence) each year since 1946.

For the most part, the Montana birth rate has been in long-term decline since the early 1980s. However, the frequency of births to Montana residents has remained the same or increased slightly every year since 2000, and the birth rate rose—sharply—to 13.2 per 1,000 estimated midyear population in 2006. These have been the first substantial increases since the state's birth rate began falling in 1983. However, it is probably still too soon to identify this as a lasting change in trend. **Figure 6** below compares the resident birth rates for Montana and the U.S. for the last 35 years.

Figure 6

RESIDENT BIRTH RATES



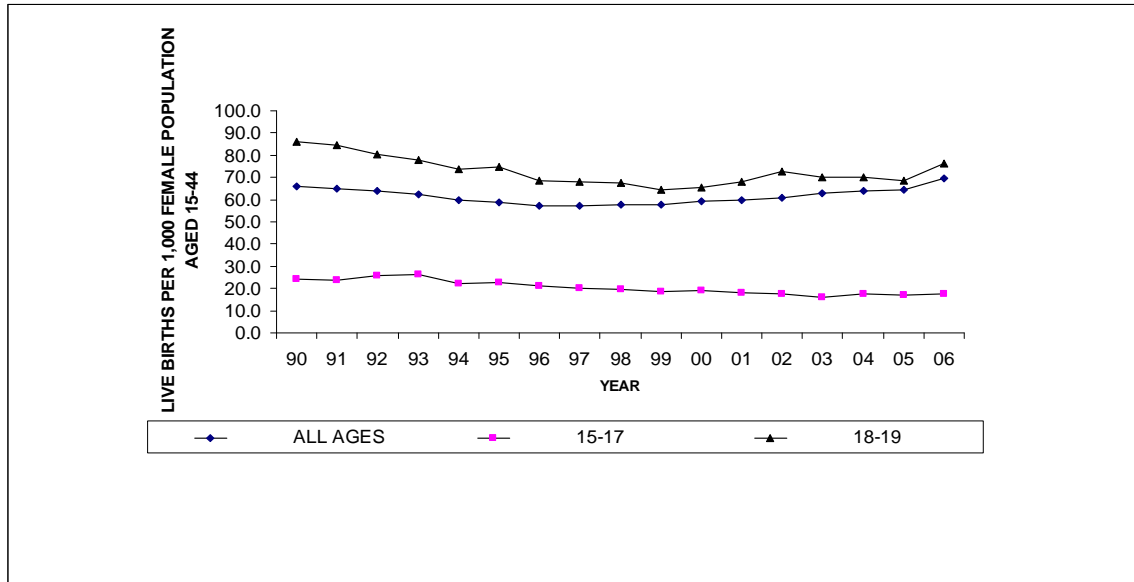
MONTANA AND THE UNITED STATES, 1972-2006

While the Montana rate exceeded the U.S. rate from 1971 to 1985, it began to decline in the early 1980's, fell below the U.S. rate in the mid-1980s, and has been the lower of the two since then. Preliminary data for 2005, the last year for which national statistics are available, only eight states had lower birth rates than Montana's. None of those states was west of the Mississippi River.

FERTILITY

The fertility rate, calculated as the number of births per 1,000 females of childbearing age (assumed to be ages 15-44, inclusive), is sometimes considered more useful than the birth rate for many analytic purposes because it is specific with regard to sex and age of the "at-risk" population. Montana's fertility rate from 1990 to 2006 is shown in **Figure 7** for mothers of all ages, mothers between the ages of 15 and 17, and those between the ages of 18 and 19. This graph shows fertility rates for Montana mothers of all races.

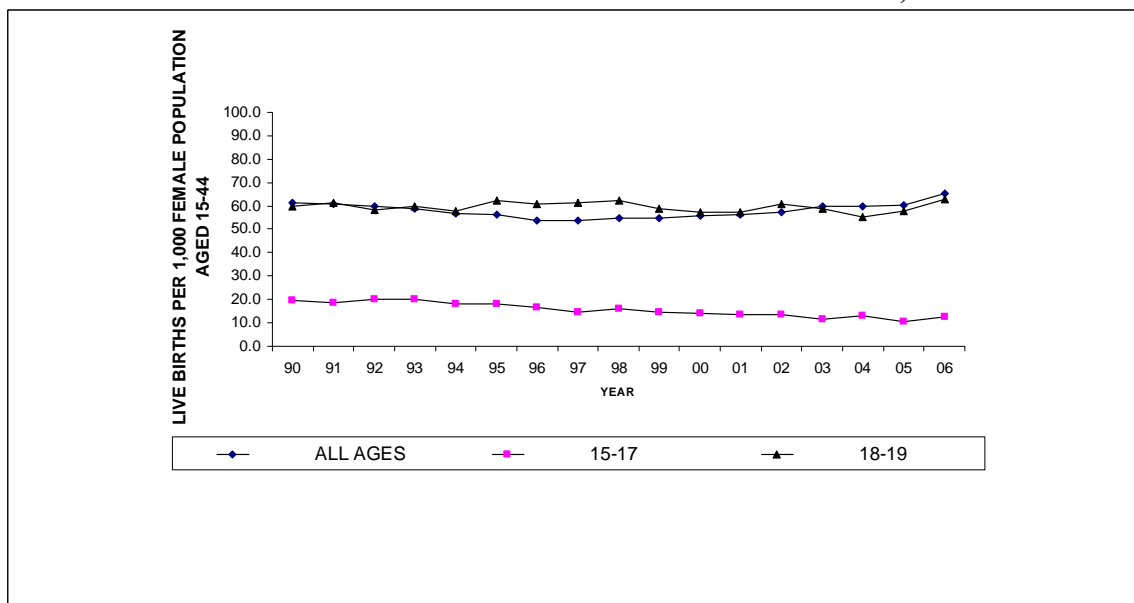
Figure 7
FERTILITY RATES FOR MOTHERS OF ALL RACES



MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2006

The rate of fertility among various racial groups can be quite different from those of the population as a whole, as is illustrated by **Figure 7** above, **Figure 8** below, and **Figure 9** on the next page. Examination of the respective rates for whites and Native Americans for the previous several years is revealing.

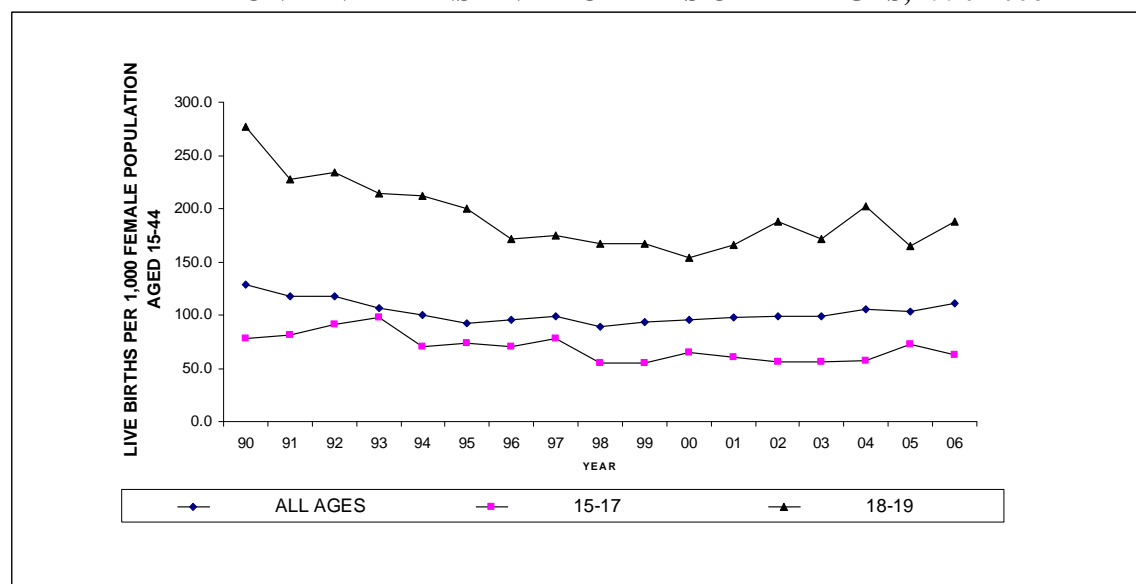
Figure 8
FERTILITY RATES FOR WHITE MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2006



In 2006, the fertility rate for Montana's white mothers of any age was 65.1. The rate for white mothers between 15 and 17 was 12.4, and the rate for white mothers between the ages of 18 and 19 was 62.9. Fertility rates for Native Americans were substantially higher in these age groups—110.8, 62.5, and 187.6, respectively.

Figure 9

**FERTILITY RATES FOR NATIVE AMERICAN MOTHERS
MONTANA TEENS AND MOTHERS OF ALL AGES, 1990-2006**



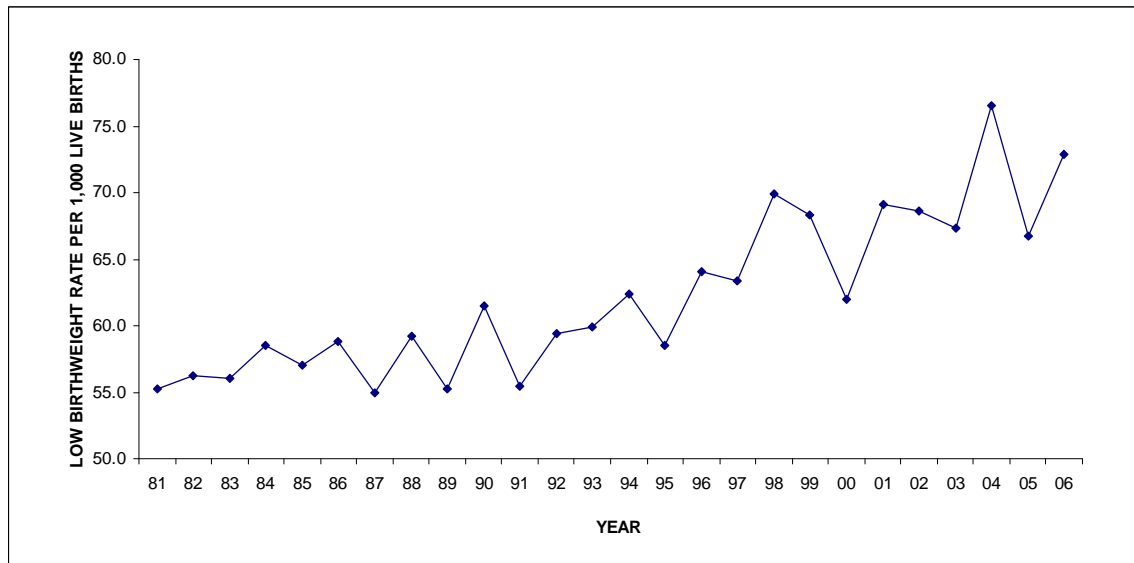
Rates of change for these fertility rates also varied among different groups during this period. While the Native American fertility rates for all of these age groups were higher than those for whites in 2006, the fertility rate for Native American teens aged 15 to 19 years fell farther in proportional terms in this period (28.6%) than that for whites (15.0%). The white fertility rate for the ages 15-17 fell by more than a third (35.8%) while that for Native Americans fell by about a fifth (19.6%). The Native American fertility rate for teens aged 18 to 19 years fell by almost a third (32.4%) while that for whites grew by 5.2%

LOW BIRTHWEIGHT

Table B-3 shows the frequency of birth by birthweight category and the mother's county of residence. **Figure 10**, on the following page, shows an increasing rate of low birthweight babies born to Montanans. The rate was 55.2 in 1981 and 72.9 in 2006. While low birthweight has been identified by NCHS as one of the best predictors of infant death, this relationship does not seem to be the case—or at least, is much more complex than a simple correlation—for the Montana infant population as a whole, as the trends of infant and fetal mortality among Montanans in **Figure 16** show. While the low birthweight rate trends upward, rates of infant and perinatal death are falling for Montana residents.

Figure 10

**RATE OF LOW BIRTHWEIGHT BIRTHS
MONTANA RESIDENTS, 1981-2006**



MOTHER'S AGE, RACE, AND MARITAL STATUS

Those giving birth in 2006 were mostly married white women between the ages of 20 and 35 years. **Table S-8** shows the frequency and percent distribution of births to Montana residents by the mother's age and county of residence. **Table S-3** shows the frequency of births by the mother's race and county of residence of the mother. Any of the races shown may include women of Hispanic origin.

Figure 11

**PERCENT OF BIRTHS TO UNMARRIED MOTHERS
MONTANA AND U.S. RESIDENTS, 1981-2006**

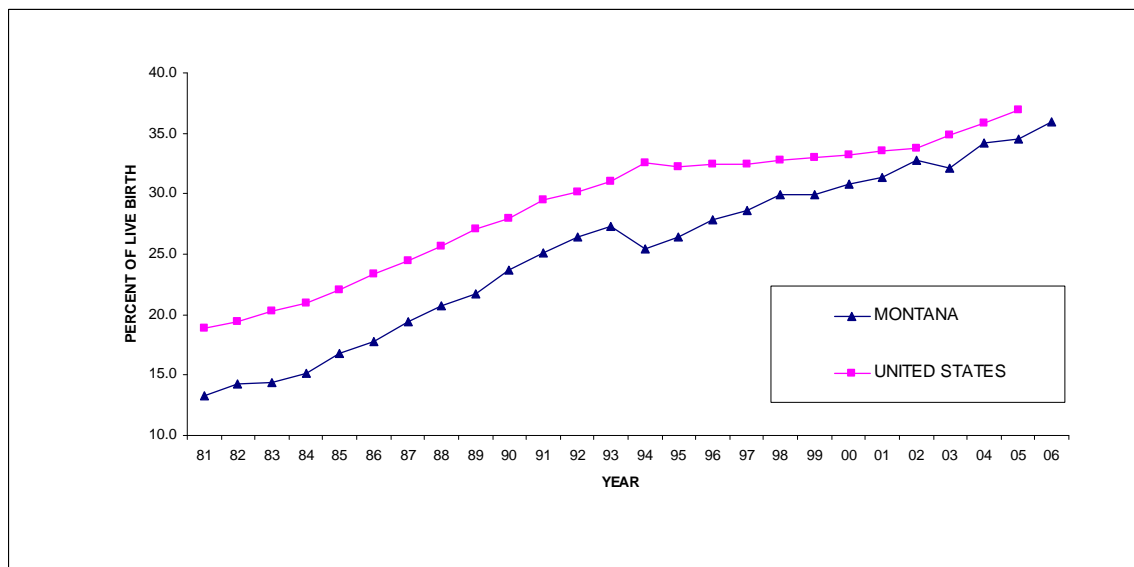


Table B-1 shows the frequency and percent of resident births to unmarried mothers for the years 2000 through 2006. **Table S-7** shows the frequency of birth by marital status of the mother for each of Montana's counties in 2006. **Figure 11**, on the previous page, shows the trend in those births to unmarried women for residents of Montana and the United States since 1981. Births to unmarried women represented 13.3% of Montana's resident births in 1981, 23.7% in 1990, 30.8% in 2000, and 35.9% in 2006.

By comparison, unmarried women in the U.S. accounted for 18.9% of the resident births in 1981, 28.0% in 1990, 33.2% in 2000, and 36.9% in 2005 (the latest year for which a national statistic is available). The Montana proportion of births to unmarried mothers has been, for more than two decades, somewhat below the U.S. proportion. However, the long-term trend for Montana is increasing and appears to be converging with the national trend over this period.

METHOD OF DELIVERY

About three quarters of the infants delivered in Montana in the years 1997 through 2006 were delivered vaginally (including those delivered vaginally after the mother had a previous C-section). As **Figure 12** shows, the likelihood of a vaginal delivery decreases steadily with increasing age of the mother. This pattern holds for both whites and Native Americans.

Figure 12

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY AGE OF MOTHER AND METHOD OF DELIVERY MONTANA OCCURRENCES, 1997-2006

METHOD OF DELIVERY	ALL AGES	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 AND OVER	NOT STATED
ALL METHODS Number	112,087	105	3,786	8,755	31,340	31,479	23,125	10,921	2,419	152	5
Percent	100	100	100	100	100	100	100	100	100	100	100
VAGINAL Number	83,967	91	3,195	7,159	24,684	23,692	16,377	7,225	1,460	79	5
Percent	74.9	86.7	84.4	81.8	78.8	75.3	70.8	66.2	60.4	52	100
VAGINAL AFTER C-SECTION Number	2,510	-	4	54	414	764	745	433	92	4	-
Percent	2.2	0	0.1	0.6	1.3	2.4	3.2	4	3.8	2.6	0
PRIMARY C-SECTION Number	15,433	13	568	1,320	4,169	4,082	3,086	1,673	476	46	-
Percent	13.8	12.4	15	15.1	13.3	13	13.3	15.3	19.7	30.3	0
REPEAT C-SECTION Number	10,166	1	18	220	2,070	2,938	2,917	1,589	390	23	-
Percent	9.1	1	0.5	2.5	6.6	9.3	12.6	14.5	16.1	15.1	0
NOT STATED Number	11	-	1	2	3	3	-	1	1	-	-
Percent	0	0	0	0	0	0	0	0	0	0	0

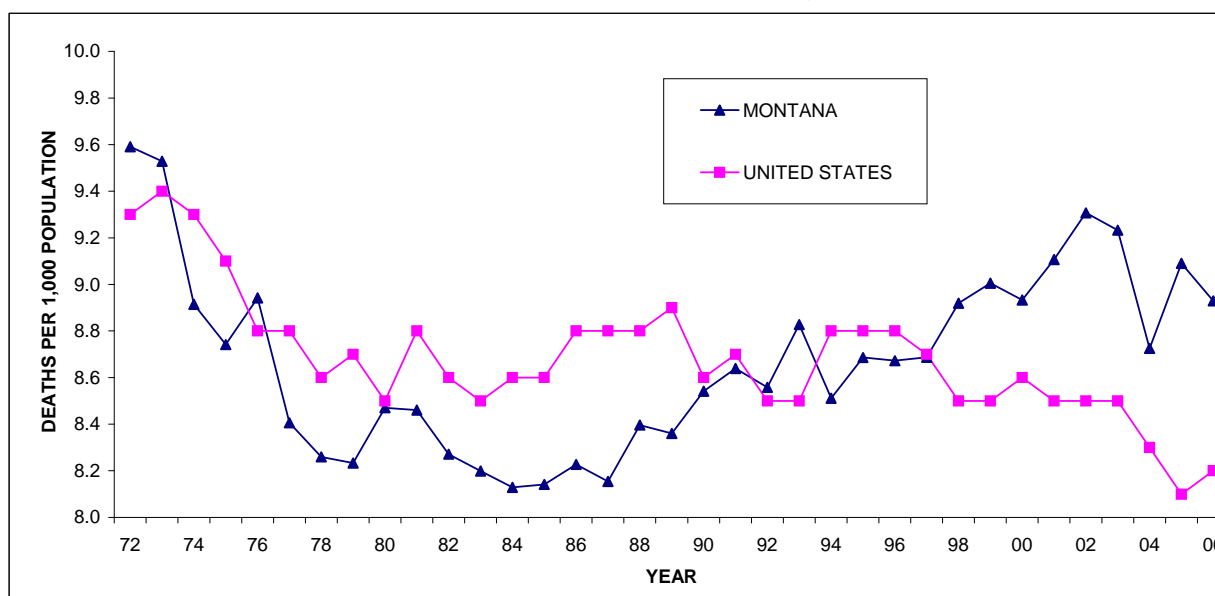
MORTALITY

Montana's crude annual resident mortality rate in 2006 was 8.9 per 1,000 estimated midyear population. There were 8,435 Montana residents who died in that year and their median age was 78 years. Of these people 4,273 (50.7%) were males 4,162 (49.3%) were females.

Figure 13 shows the crude death rates per 1,000 population for Montana and U.S. residents from 1971 through 2006. Montana's annual rate followed the national trend fairly closely throughout most of this period. However, there were notable differences, particularly in the 1980s and since the late nineties. Montana's rate displayed no consistent trend from 1971 to 1973, averaging about 9.6 deaths per 1,000 population. Montana and U.S. rates dropped precipitously beginning in the early 1970s. Montana's rate, for the most part, has been rising since the mid-1980s.

Figure 13

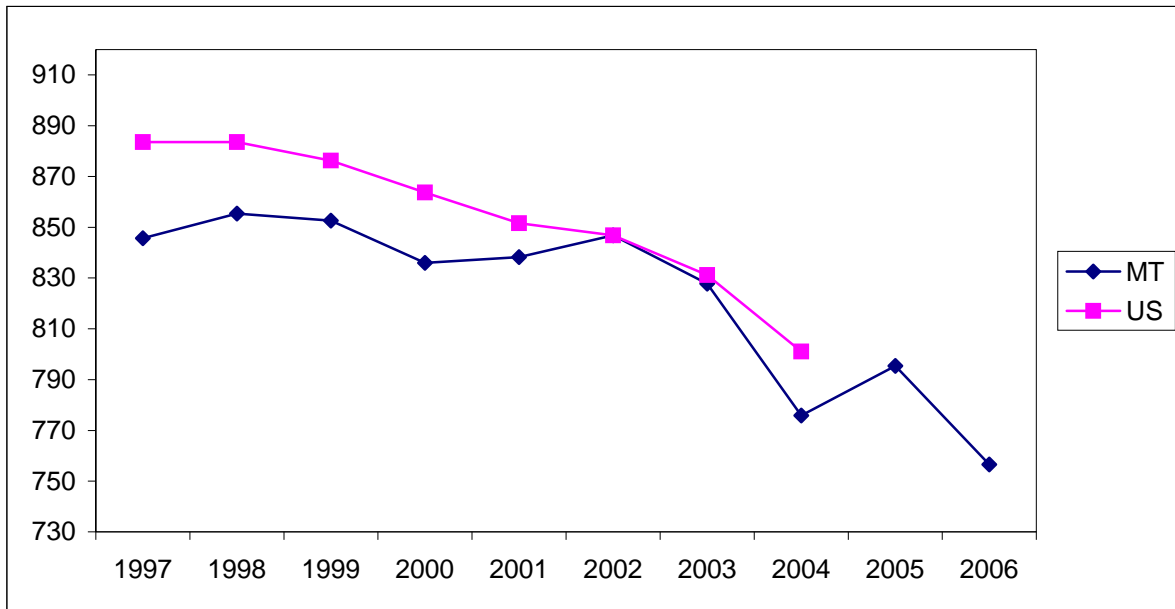
RESIDENT CRUDE DEATH RATES MONTANA AND THE UNITED STATES, 1971 – 2006



The rate of death is closely related to the age structure of the resident population. It is therefore useful to adjust this rate for differences in the age distributions of populations when comparing death rates between those populations. (See the definition of “age adjusted death rate” in the DEFINITIONS section of this report for a description of the mathematics of age adjustment and also see the section on AGE-SPECIFIC AND AGE -ADJUSTED DEATH RATES below for discussion of their proper use.) While the crude death rate represents the absolute risk of death in a single population at a particular time, the age-adjusted rate offers a better comparison of the relative risk of death between populations in different geographic areas at a single time or in the same geographic area at different times.

Figure 14

**AGE-ADJUSTED DEATH RATES*
MONTANA AND UNITED STATES RESIDENTS, 1997-2006****



* Adjusted with the direct method to the projected 2000 U.S. population.

Figure 14 shows the age-adjusted death rates for Montana and U.S. citizens for the last 10 years. It is notable that while Montana's crude death rate (reflecting the absolute risk of death among the resident population) has been generally increasing, the age-adjusted rate (which reflects relative risk by adjusting for the age of the population and the age of its decedents) has been generally declining over the ten years profiled. It is also notable that the age-adjusted rate for Montana was lower than the U.S. rate for all but one of the years profiled, averaging about 97.8% of the national rate.

Whites typically died at an older age than Native Americans. The age at death for whites was several years greater than that for Native Americans at every quartile (25th percentile, median, and 75th percentile). Particularly striking was the fact that one quarter of the white decedents died at or below the age of 67, while one quarter of the Native American decedents died at or below the age of 42 years.

There was greater variability in the age at death for the Native American population than for the white population. The standard deviation, which measures the distribution around the mean, was greater for the Native Americans (23.2) compared to whites (17.8); thus, a larger proportion of Native Americans died at younger-than-average or older-than-average ages than did whites.

In general, female decedents were older than male decedents; the mean and median ages at death were greater for women than for men, regardless of race. For white women, the median age was 82 years, compared to 75 years for white men. The median age for Native American women was 65 years, compared to 57 years for Native American men. **Figure 15** summarizes the distribution of age at death for Montana residents by sex and race for the ten-year period, 1997 to 2006.

Figure 15

**AGE AT DEATH IN YEARS BY SEX AND RACE
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 1997–2006**

RACE AND SEX	NUMBER OF DEATHS	MINIMUM AGE	25 TH PERCENTILE	MEDIAN AGE	75 TH PERCENTILE	MAXIMUM AGE	MEAN AGE	STANDARD DEVIATION
ALL RACES								
TOTAL	82,022	0	65	78	86	112	73.2772	18.5772
MALE	41,819	0	61	75	83	107	69.8811	19.0534
FEMALE	40,202	0	70	81	88	112	76.8118	17.3742
WHITE								
TOTAL	77,419	0	67	79	86	112	74.2522	17.7828
MALE	39,216	0	63	76	84	107	70.9522	18.2464
FEMALE	38,202	0	71	82	89	112	77.6416	16.6219
NATIVE AMERICAN								
TOTAL	4,029	0	42	60	74	104	56.3232	23.1506
MALE	2,274	0	38	57	71	102	53.2339	22.9658
FEMALE	1,755	0	47	64	78	104	60.3259	22.7794
OTHER RACES								
TOTAL	574	0	47	67	80	101	60.7805	24.5156
MALE	329	0	43	61	77	101	57.2644	24.6282
FEMALE	205	0	55	73	82	101	66.1756	23.8191

*The *mean* is the arithmetic average, the *median* is the midpoint. To illustrate, one quarter of the decedents died at or under the age at the *25th percentile*; half at or under the age at the *median* (or *50th percentile*) etc. The *standard deviation* measures the concentration of the distribution around its mean.

FETAL, INFANT, AND MATERNAL DEATHS

Table S-1 of the Vital Statistics reference tables shows the frequency and crude rate or ratio of all deaths and of fetal, infant, and maternal deaths occurring in Montana (regardless of place of residence) at five-year intervals from 1910 to 1949 and yearly from 1950 through 2006 for deaths of Montana residents (regardless of place of occurrence).

Figure 16

**FIVE-YEAR INFANT MORTALITY RATES AND FETAL MORTALITY RATIOS
MONTANA RESIDENTS, 1981 – 2006**

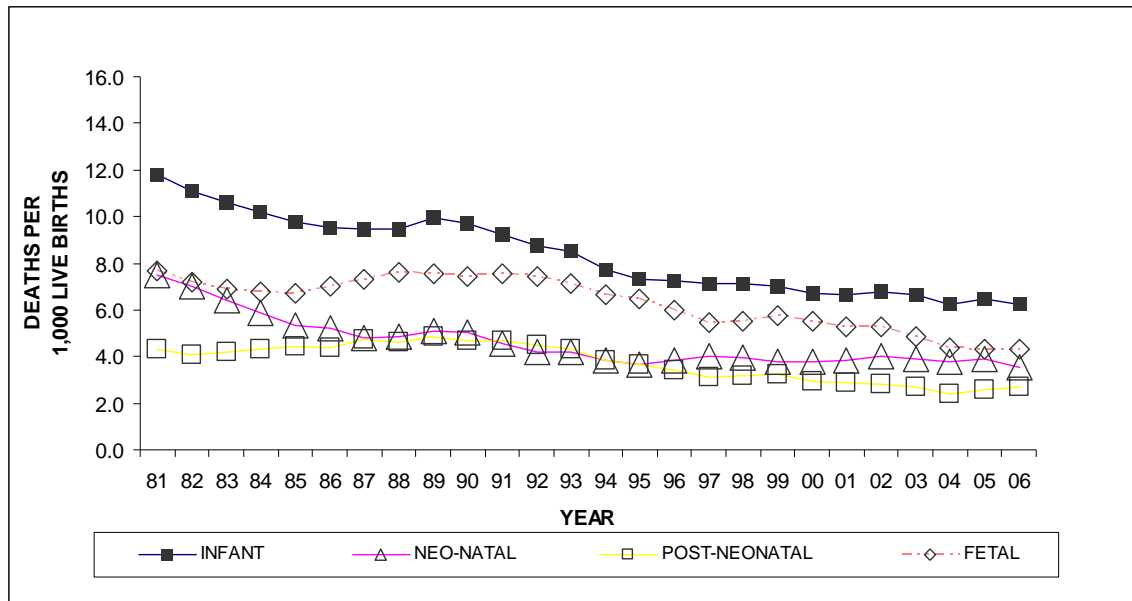


Figure 16 shows the five-year infant and fetal mortality rates for Montana residents from 1981 through 2006. There was a substantial decline in the five-year infant death rate during this period. This rate, the number of infant deaths per 1,000 live births, decreased from 11.8 in 1981 to 6.2 in 2006, or about 47%. The five-year death rate for infants dying in the neonatal period, the first 27 days of life, decreased by more than half (52.9%) during this period. The rate for post-neonatal infants (infants 28 days and older) declined by about one-third (37.0%), falling from 4.3 to 2.7 per 1,000 live births. The five-year fetal mortality ratio also declined by a little more than two-fifths (44.2%), falling from 7.7 deaths per 1,000 live births in 1981 to 4.3 in 2006.

There were 49 resident fetal deaths and 70 resident infant deaths in Montana in 2006. Frequencies of infant and fetal deaths by Montana county of occurrence and residence appear in **Table S-2**. **Table S-3** shows the frequency of fetal deaths by the mother's race and county of residence. The number of infant deaths and five-year infant mortality rates by Montana County of residence appear in **Table D-8**.

Selected causes of death by age and sex for Montana resident infants are shown in **Table D-1** and in **Table D-7**. (See **Figure 2** in the introduction for a complete listing of all 358 potential causes that could appear in **Table D-1**. See **Figure 4** for a complete list of the 130 potential causes that could appear in **Table D-7**.) Sudden infant death syndrome (SIDS), certain conditions originating in the perinatal period, and congenital malformations, deformations, and chromosomal anomalies caused more than two-thirds (67.1%) of all infant deaths in 2006.

Table F-1 shows the frequency of fetal deaths by race, sex, gestational age, and selected cause of fetal death. (See **Figure 5** for a complete list of the 124 potential causes that could appear in **Table F-1**.) **Table S-4** shows the frequency of fetal, infant, and child deaths by county of residence.

AGE-SPECIFIC AND AGE-ADJUSTED DEATH RATES

Most death rates presented in this report are crude rates, unadjusted for demographic factors such as age, sex, or race that will likely affect the risk of mortality. Crude cause-specific rates express the frequency of mortality from a certain underlying cause of death as a proportion of the resident population. They express the risk (average chance) of dying from the specific cause of death cited. They are useful in making comparisons, within a single resident population, of the mortality risks associated with different causes. However, their use for comparisons between populations--the Montana resident population in different years, for instance--is limited. (Because the resident populations of Montana in different years had different age compositions and contained different individuals, they can be considered different populations.)

In the past, the resident population of Montana (and of the Nation) was considerably younger than it is now; younger residents represented a smaller percentage of the population in the first years of the 21st Century than they did only a decade before. In such cases, age-adjustment is helpful for a more meaningful comparison of mortality rates.

Age-adjusted death rates should be interpreted as index numbers rather than direct measures of mortality risk. They are useful for making comparisons between populations (where demographic variables such as the overall age of the population may differ), but not for making comparisons within any single population. They are designed to “adjust” for differences in the age compositions of resident populations in different years by applying observed (i.e. actual) age-specific mortality rates to a hypothetical population with an unchanging age composition. By standardizing in this way, age-adjusted death rates help address issues such as whether an increasing or decreasing death rate is due merely to an aging population or whether some other factors are involved.

For instance, one can compare the Montana age-adjusted death rates for heart disease in different years in order to identify any trends in mortality. It is inadvisable, however, to compare the age-adjusted rate for heart disease to that for cancer within any given year, or from one year to another. While it is tempting to be concerned with the numerical value of the age-adjusted rate, this is also inadvisable because of the sensitivity of the quantitative value to the choice of a standard population.

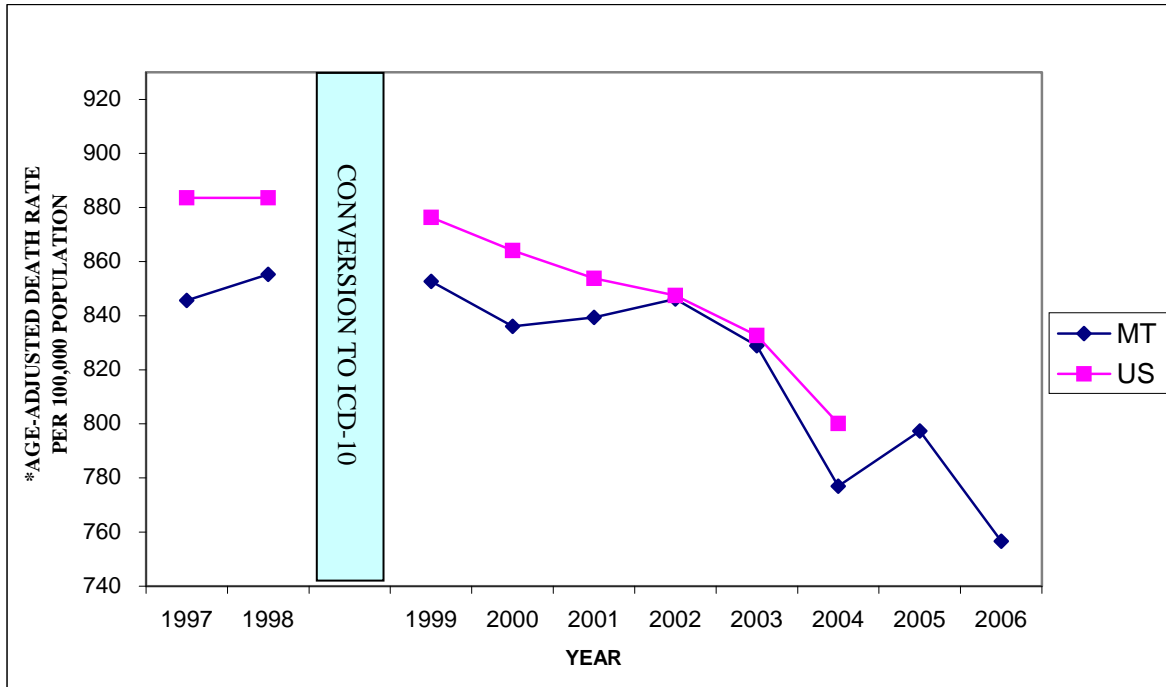
Figures 17 through 46 display age-adjusted and age specific death rates for several of the leading causes of death in Montana and/or the United States. The age-adjusted rates are adjusted with the direct method to the projected U.S. population for the year 2000. As with any summary statistic, age-adjusted death rates mask much of the underlying complexity in the mortality experience of the population. Hence, Montana’s age-specific death rates are also shown for each cause of death displayed.

Because of the small number of deaths in certain age categories, many of the age-specific rates (e.g. those for chronic liver disease and cirrhosis, motor vehicle accidents, and suicide) may be statistically unstable or present somewhat confusing patterns. However, for several causes of death, such rates present a clear pattern and add useful information about the burden of particular causes of death among the age groups. Age-specific rates for all causes of death are represented here so the reader can judge their usefulness for him or herself.

When analyzing trends in cause-specific age-adjusted death rates, one should remember that the change from one revision of ICD to another (from the ICD-9 to ICD-10 in this case) can dramatically affect the apparent rates for some underlying causes of death, since different revisions (and subsequent changes in rules of classification and selection) can result in different underlying causes for a death record. Underlying causes of death were determined using the conventions of ICD-9 in the years prior to 1999 and the conventions of ICD-10 thereafter. This change is marked in the following graphs with a vertical bar.

Figure 17

**AGE-ADJUSTED* DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA AND U.S.** RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 18

**AGE-SPECIFIC DEATH RATES FOR ALL CAUSES OF DEATH
MONTANA RESIDENTS, 1997-2006**

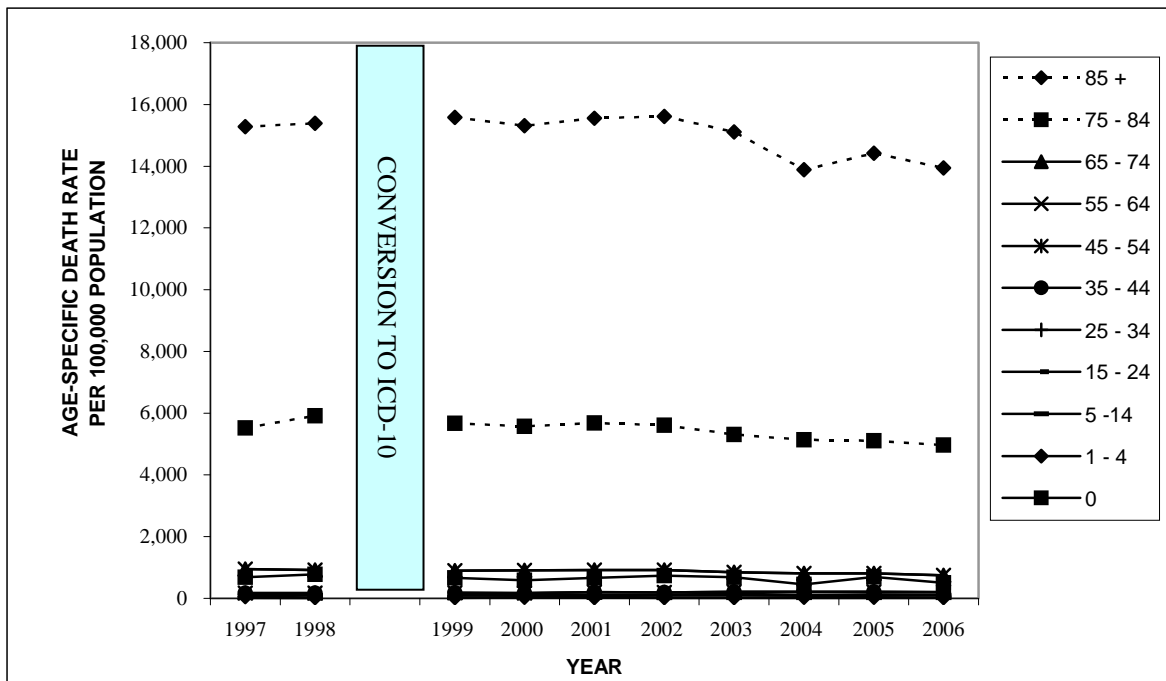
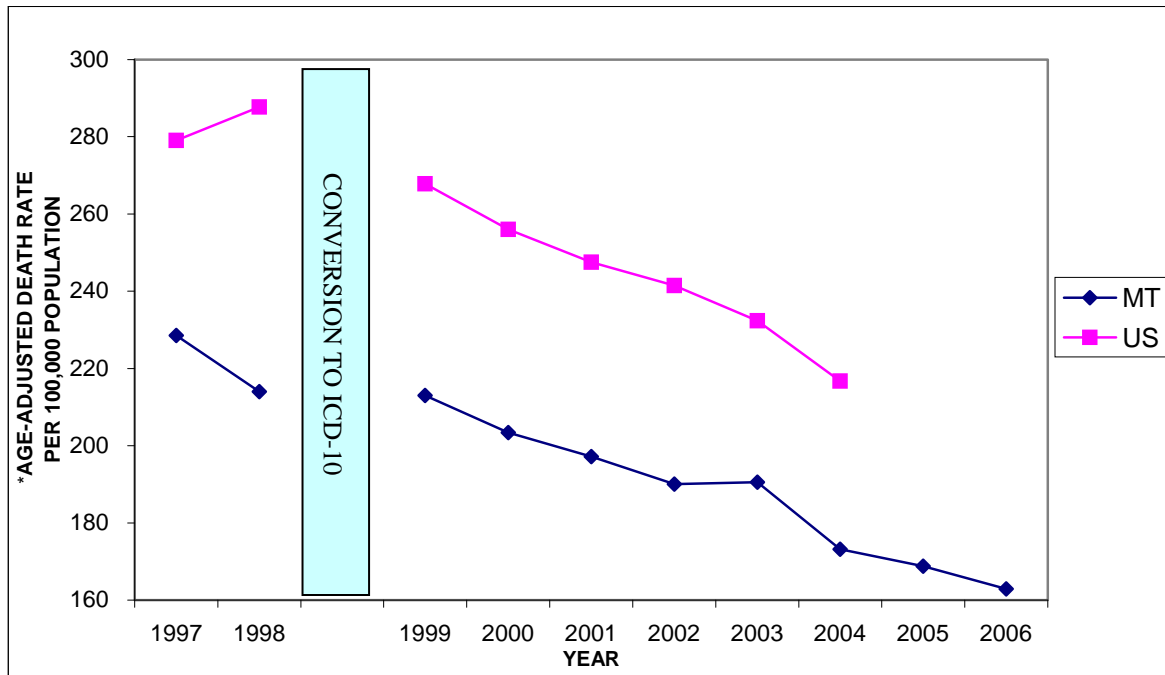


Figure 19

AGE-ADJUSTED* DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13, I20-I51
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 20

AGE-SPECIFIC DEATH RATES FOR HEART DISEASE
ICD-9: 390-398, 402, 404, 410-429; ICD-10: I00-I09, I11, I13, I20-I51
MONTANA RESIDENTS, 1997-2006

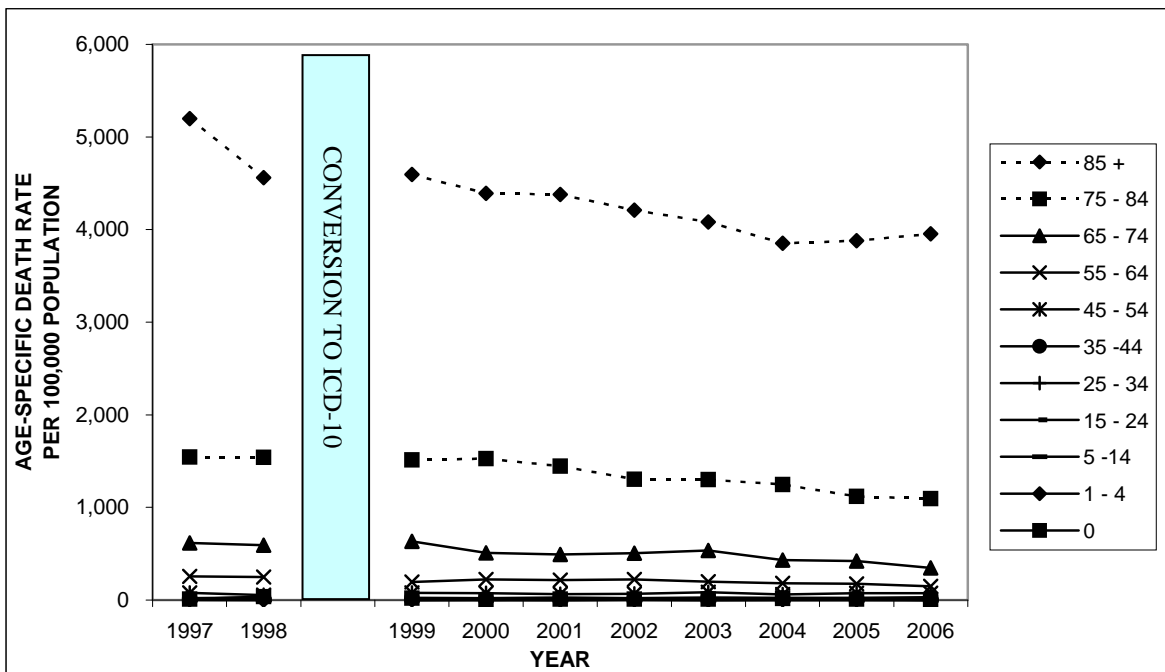
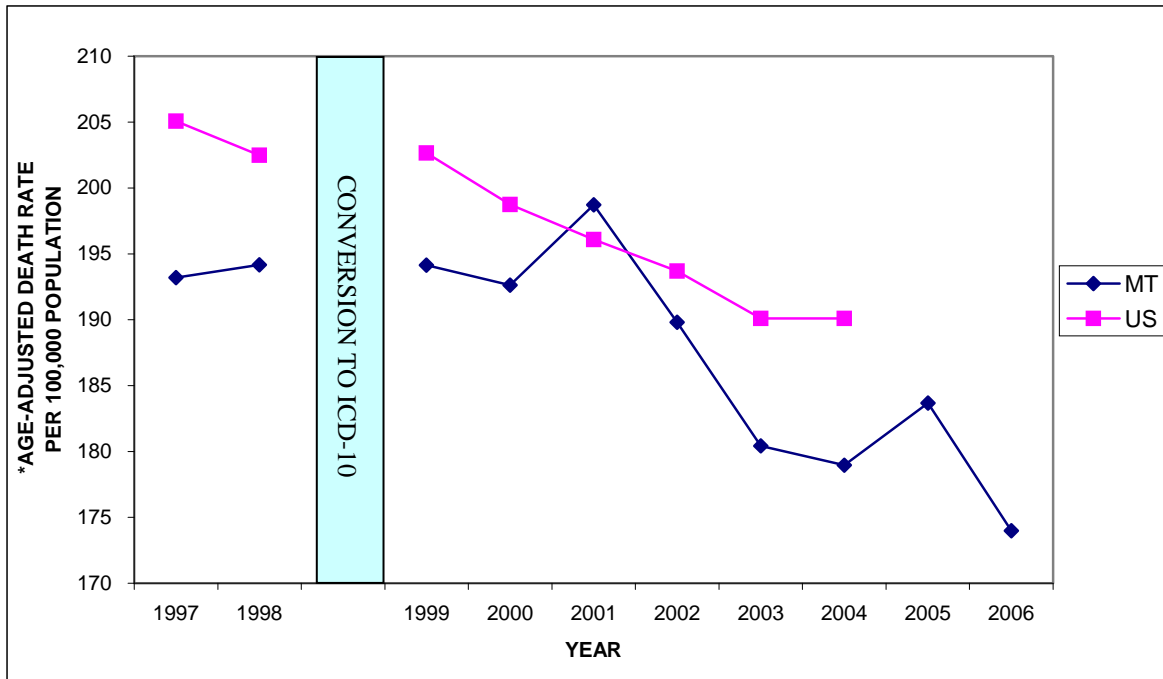


Figure 21

AGE-ADJUSTED* DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 22

AGE-SPECIFIC DEATH RATES FOR CANCER
ICD-9: 140-208; ICD-10: C00-C97
MONTANA RESIDENTS, 1997-2006

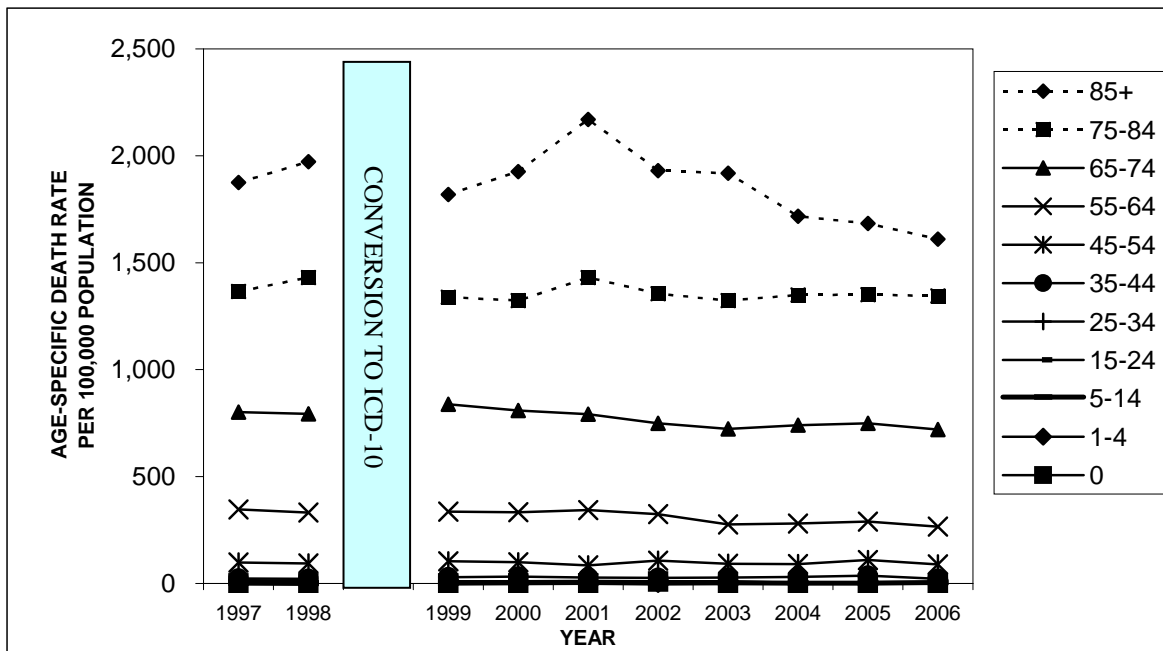
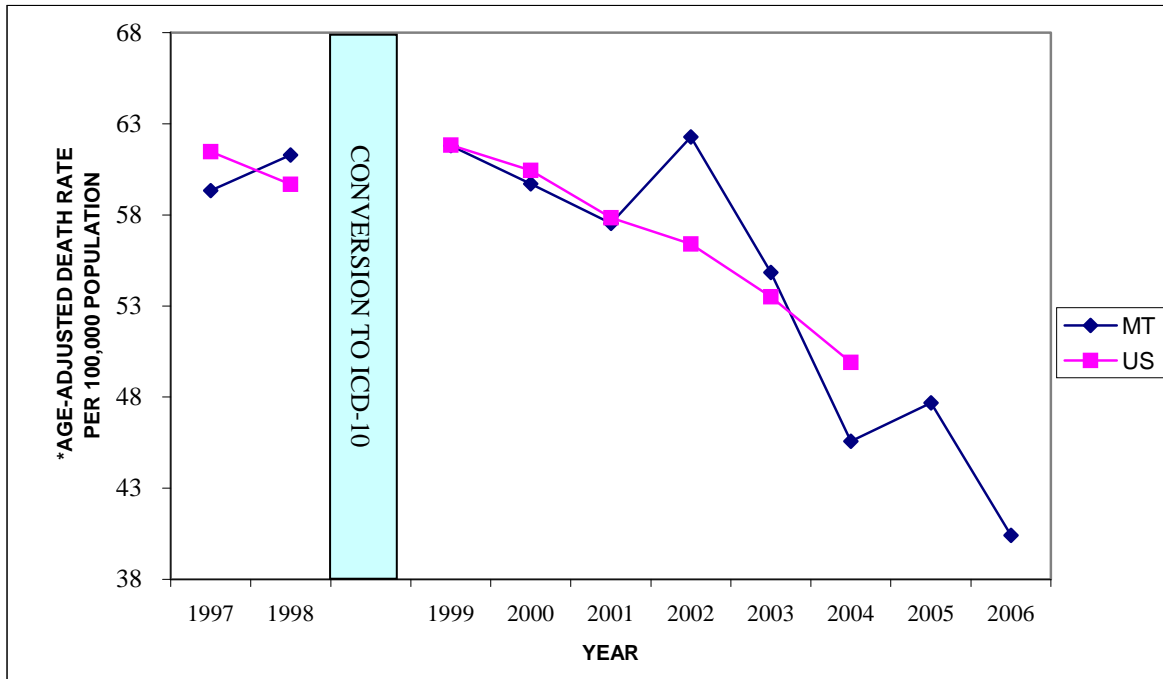


Figure 23

AGE-ADJUSTED* DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 24

AGE-SPECIFIC DEATH RATES FOR CEREBROVASCULAR DISEASE
ICD-9 : 430-434, 436-438; ICD-10:I60-I699
MONTANA RESIDENTS, 1997-2006

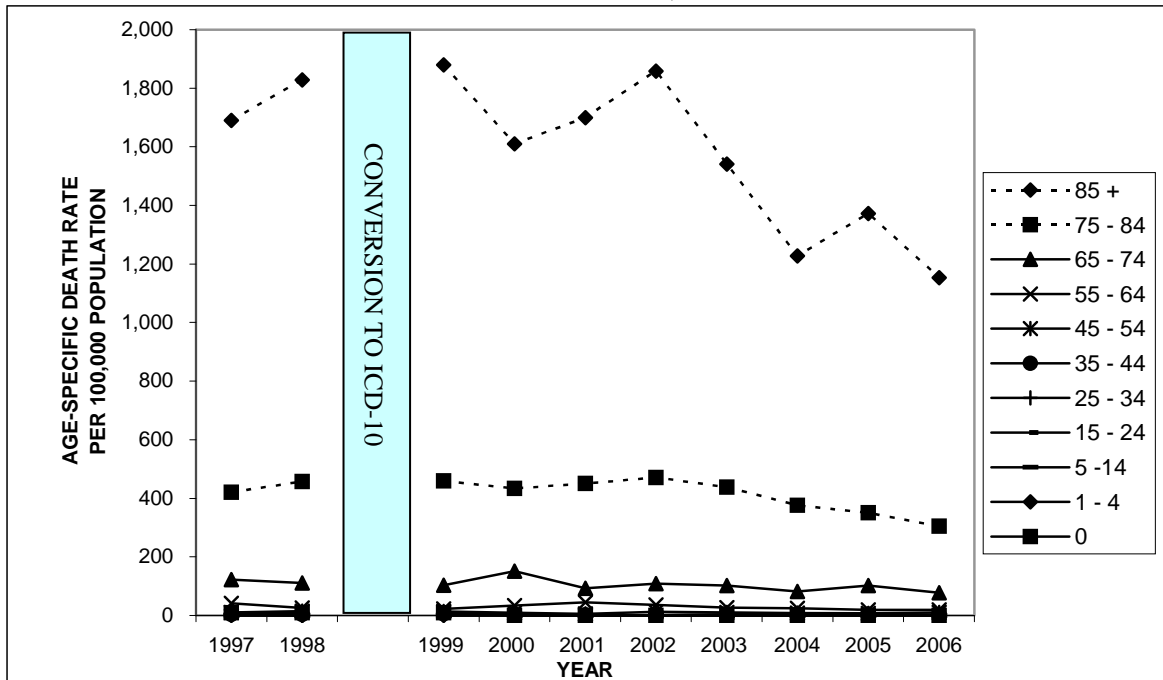
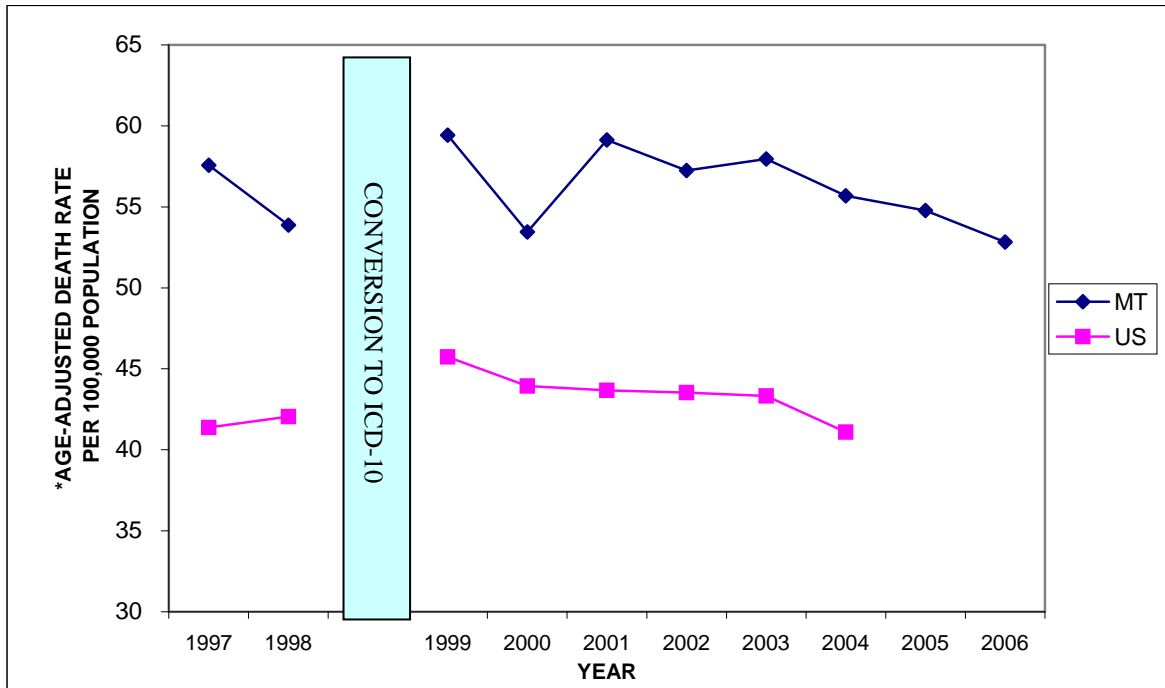


Figure 25

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 26

AGE-SPECIFIC DEATH RATES FOR CHRONIC LOWER RESPIRATORY DISEASES
ICD-9: 490-496; ICD-10: J40-J49, J67
MONTANA RESIDENTS , 1997-2006

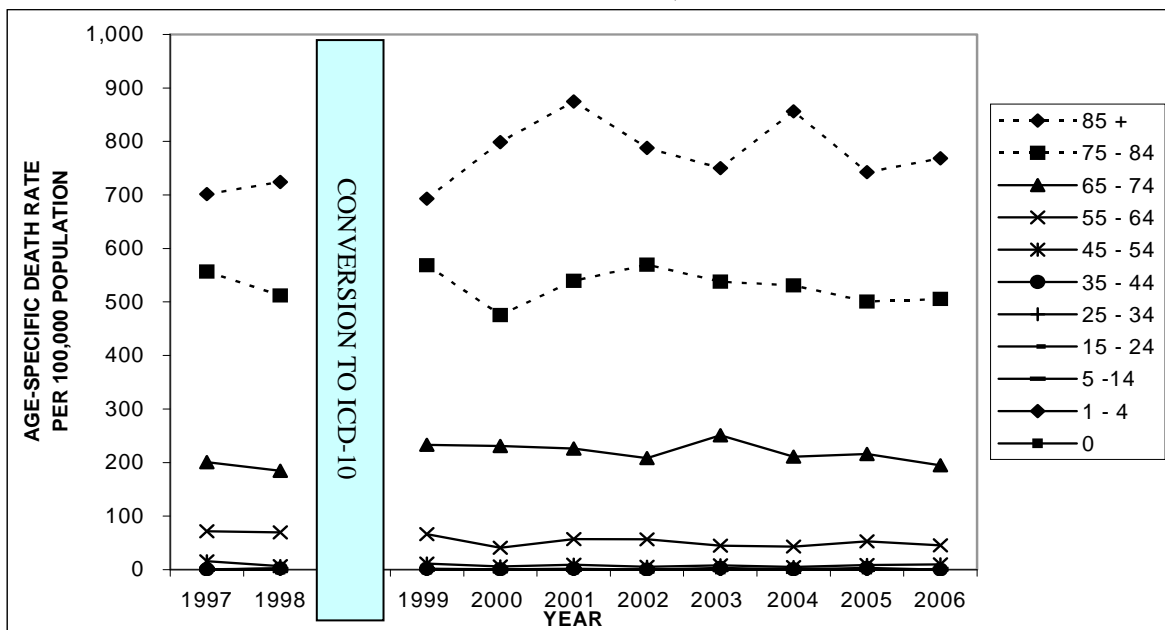
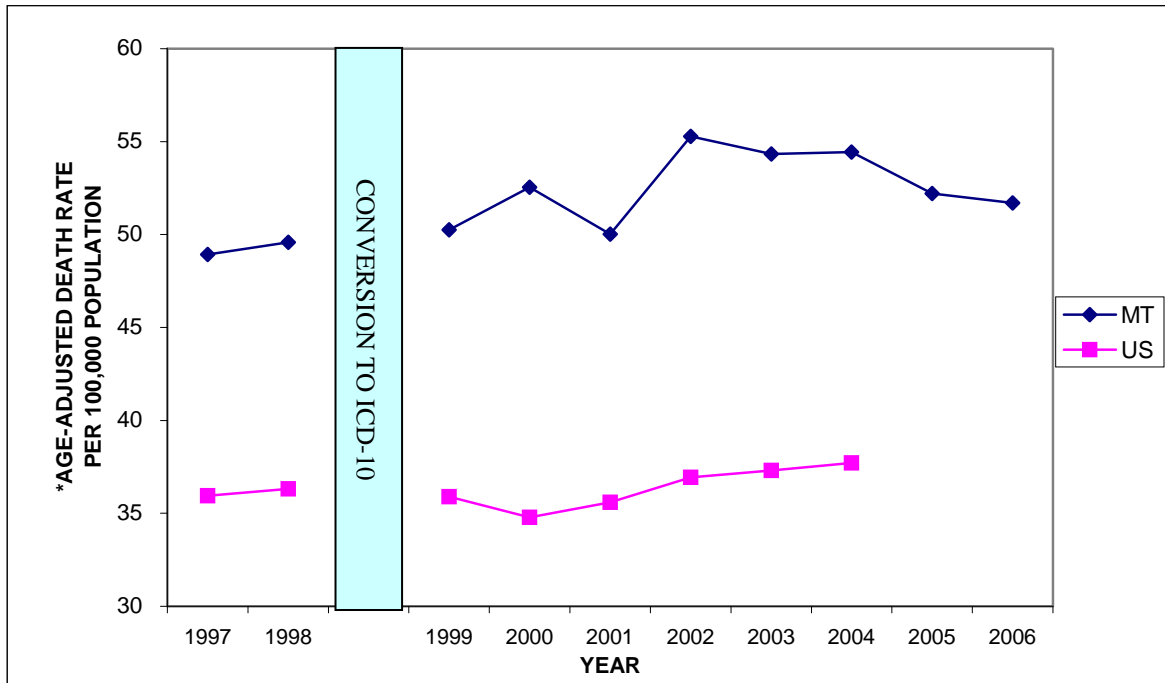


Figure 27

AGE-ADJUSTED* DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 28

AGE-SPECIFIC DEATH RATES FOR ACCIDENTS
ICD-9: E800-E869, E880-E929; ICD-10: V01-X59, Y85-Y86
MONTANA RESIDENTS, 1997-2006

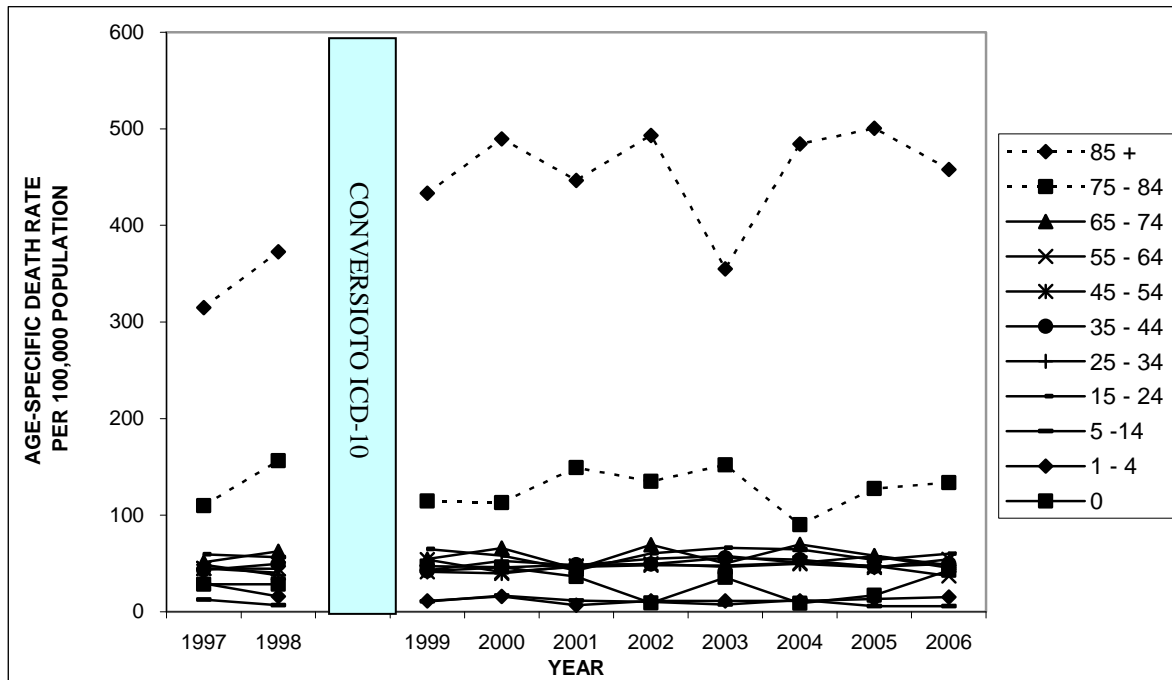
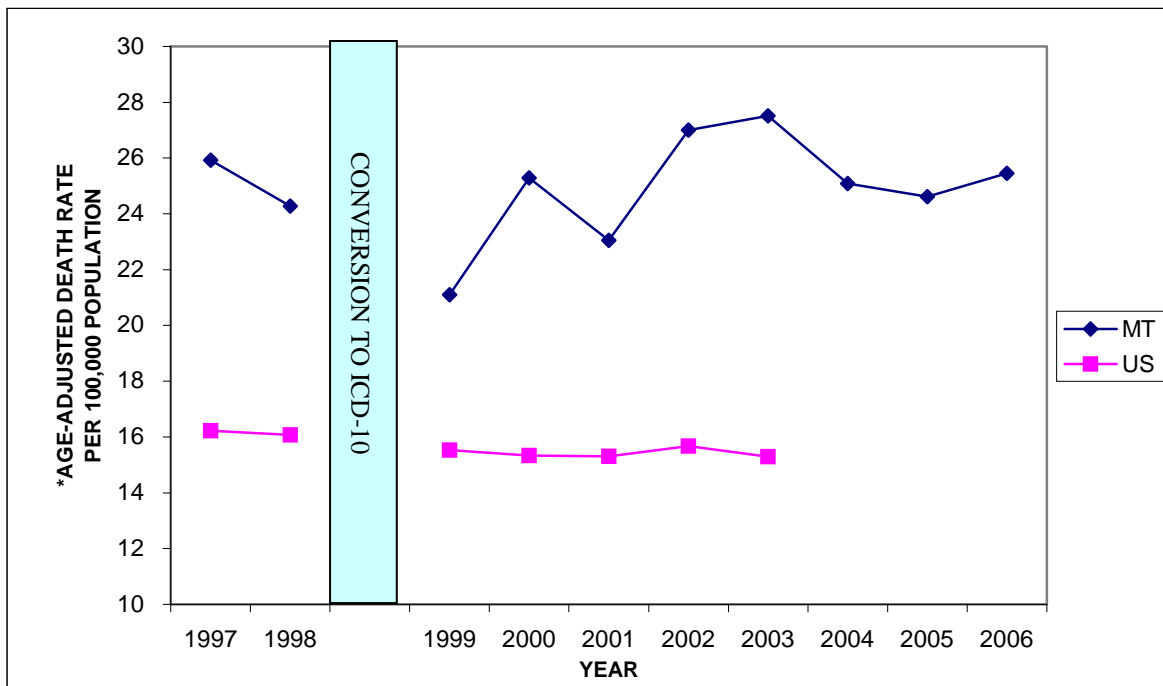


Figure 29

AGE-ADJUSTED* DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79,
V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 30

AGE-SPECIFIC DEATH RATES FOR MOTOR VEHICLE ACCIDENTS
ICD-9: E810-E825; ICD-10: V02-V04, V09.0, V09.2, V12-V14 V19.0-V19.2, V19.4-V19.6, V20-V79,
V80.3-V80.5, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8 V88.0-V88.8, V89.0, V89.2
MONTANA RESIDENTS, 1997-2006

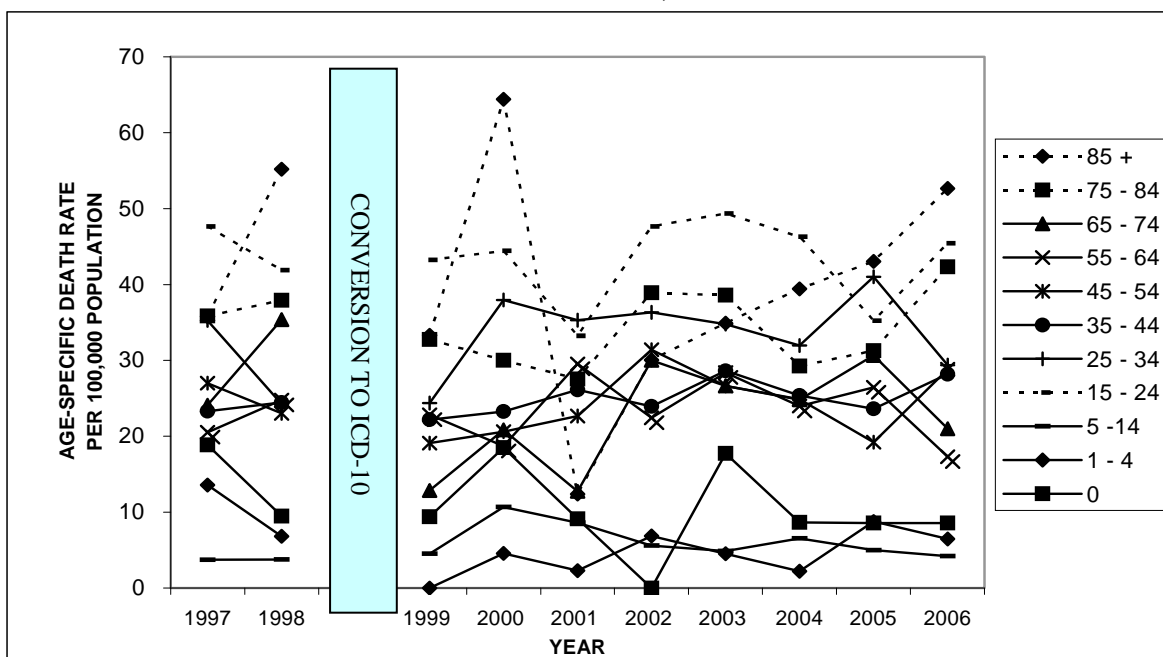
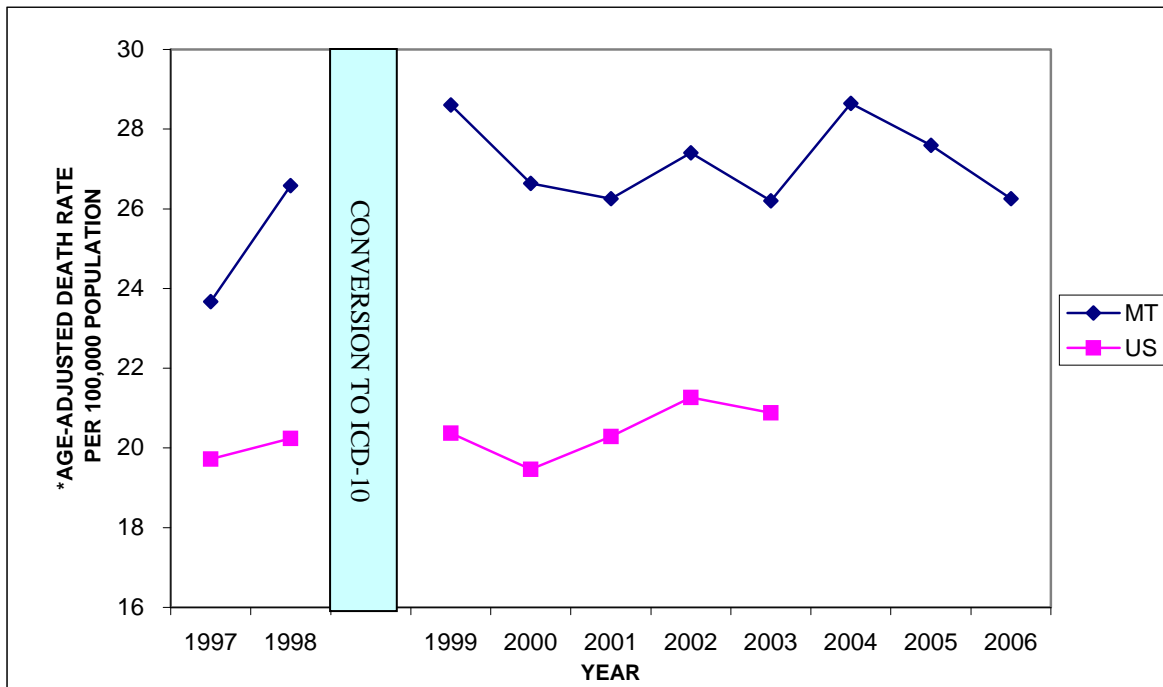


Figure 31

AGE-ADJUSTED* DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3,
V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available

Figure 32

AGE-SPECIFIC DEATH RATES FOR NON-MOTOR-VEHICLE ACCIDENTS
ICD-9: E800-E807, E826-E949 ; ICD-10: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3,
V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9 , V89.3-X59, Y85-Y86
MONTANA RESIDENTS, 1997-2006

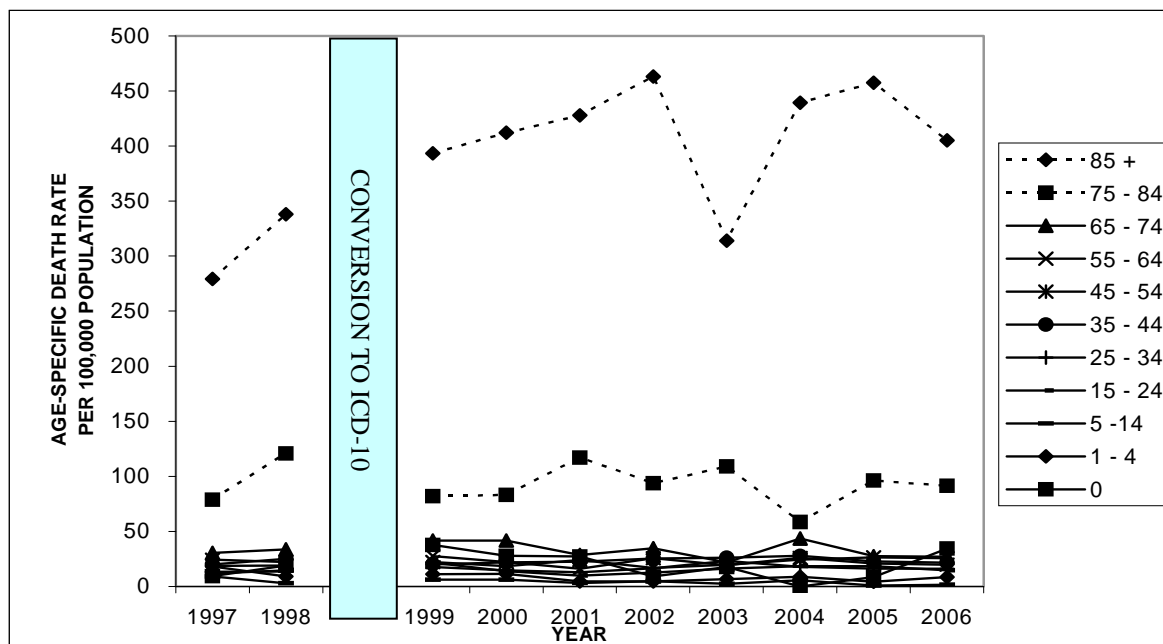
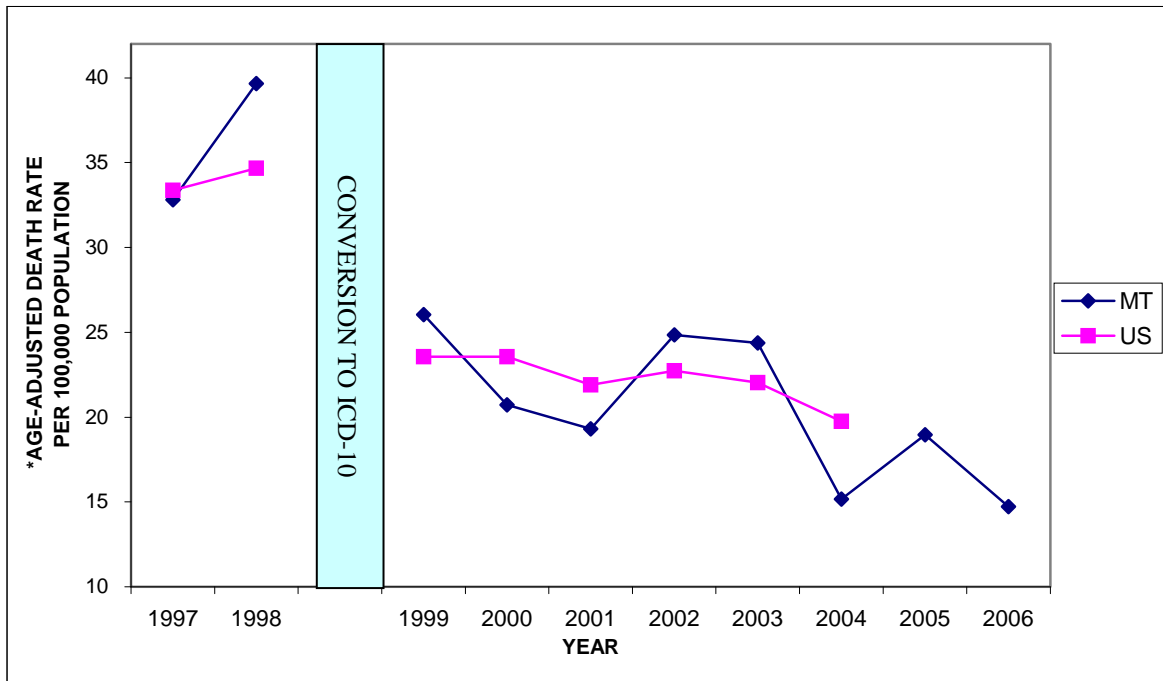


Figure 33

AGE-ADJUSTED*DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 34

AGE-SPECIFIC DEATH RATES FOR PNEUMONIA AND INFLUENZA
ICD-9: 480-487; ICD-10: J10-J18
MONTANA RESIDENTS, 1997-2006

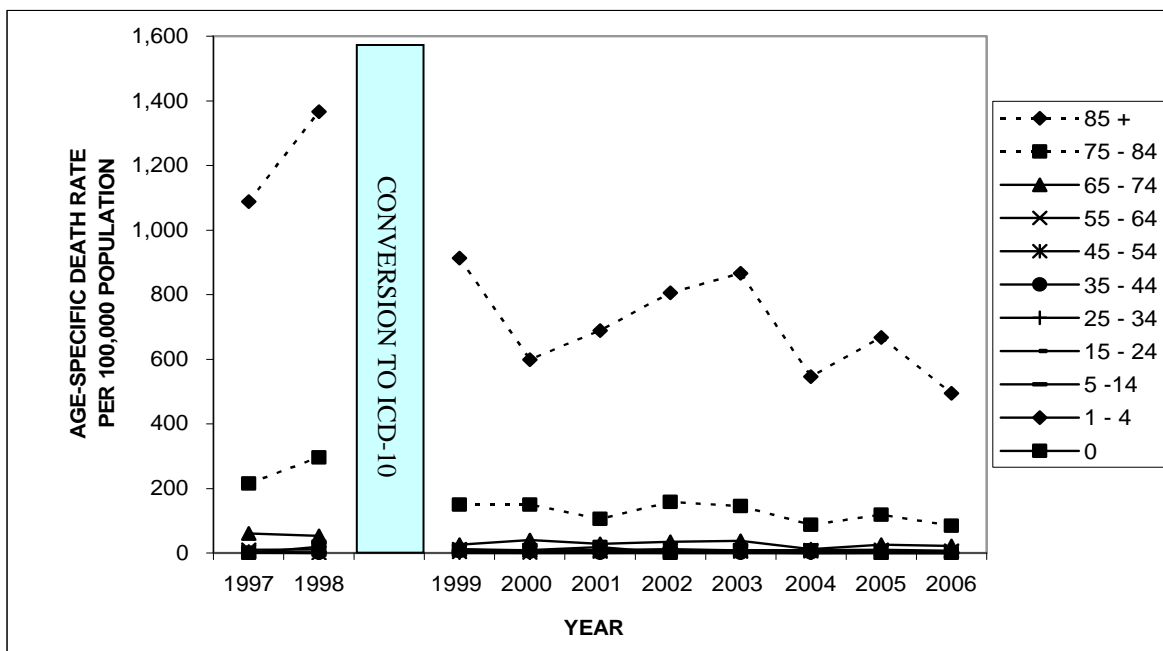
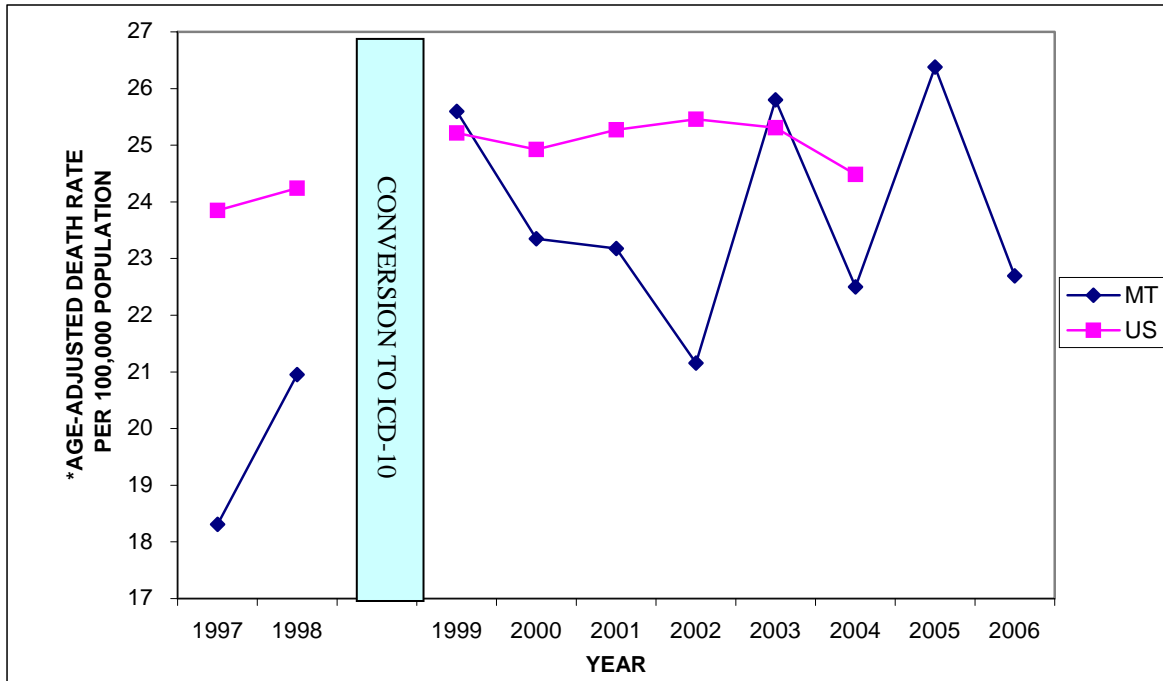


Figure 35

AGE-ADJUSTED* DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 36

AGE-SPECIFIC DEATH RATES FOR DIABETES
ICD-9: 250; ICD-10: E10-E14
MONTANA RESIDENTS, 1997-2006

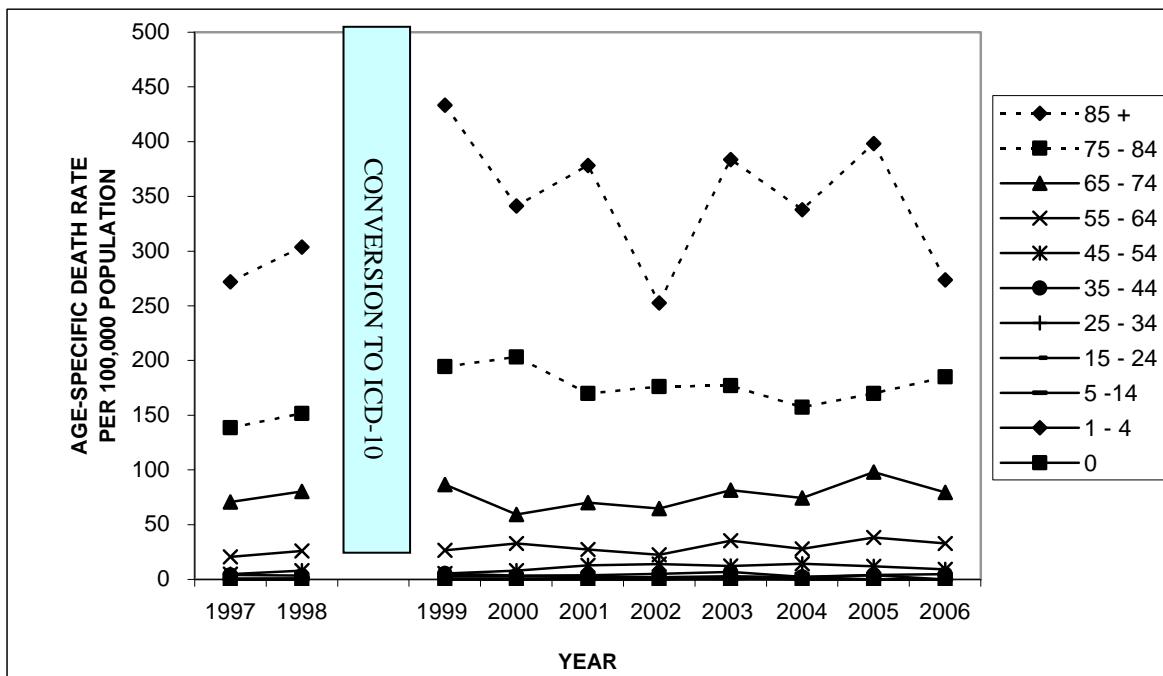
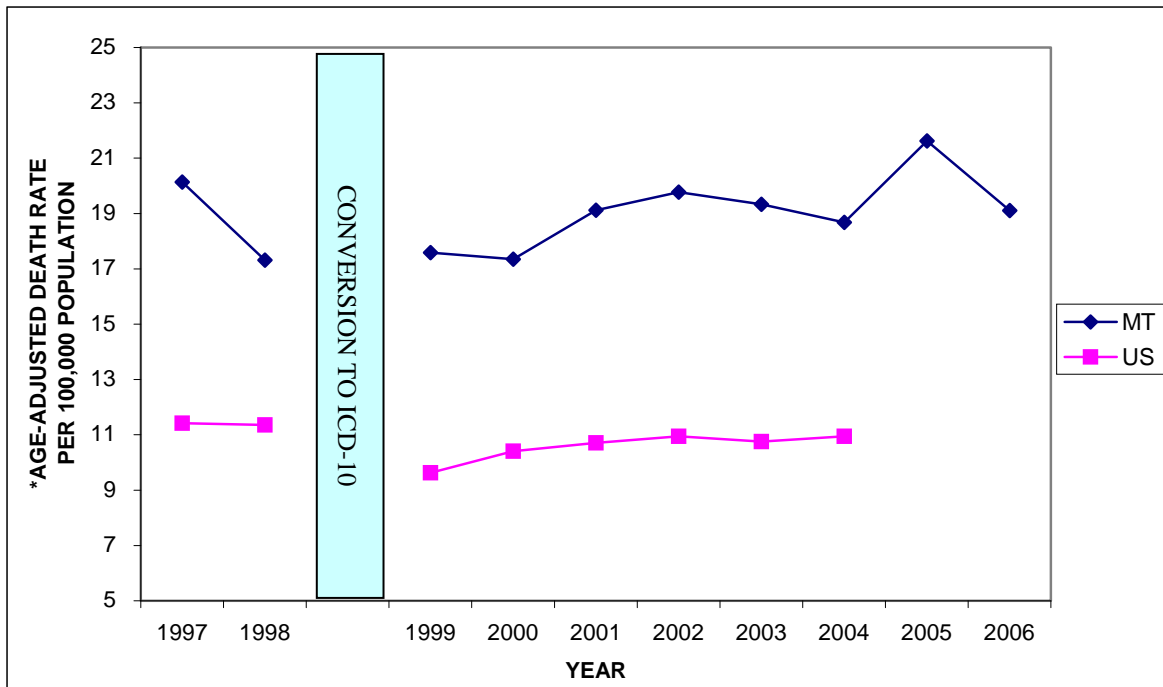


Figure 37

AGE-ADJUSTED* DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 38

AGE-SPECIFIC DEATH RATES FOR SUICIDE
ICD-9: E950-E959; ICD-10: X60-X84, Y87.0
MONTANA RESIDENTS, 1997-2006

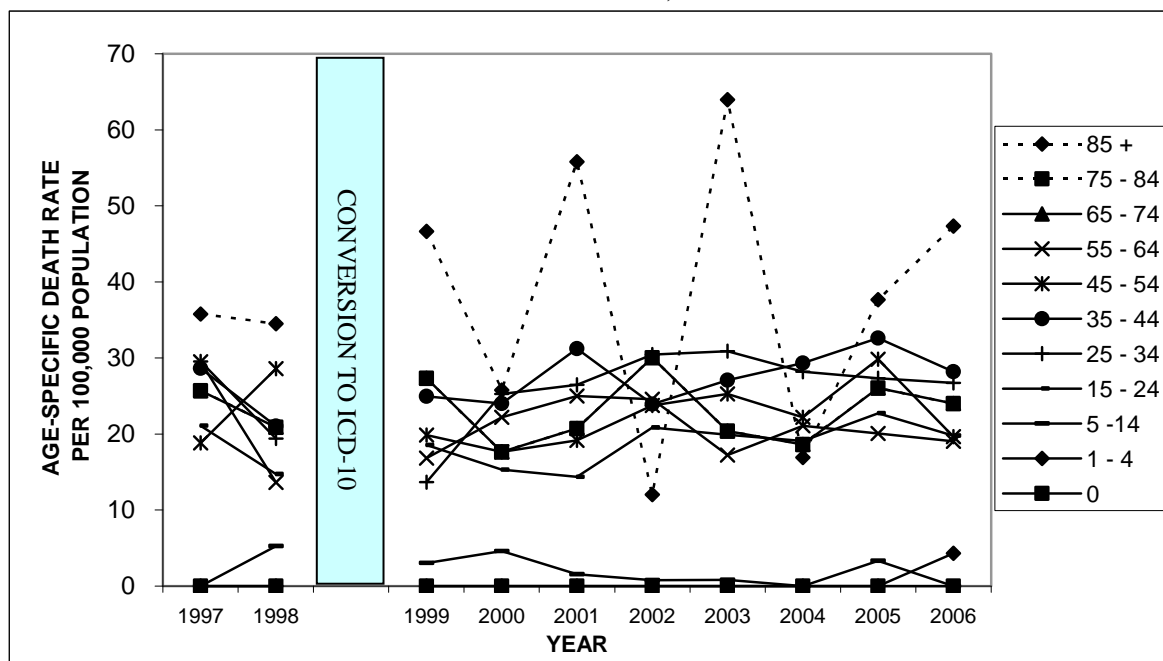
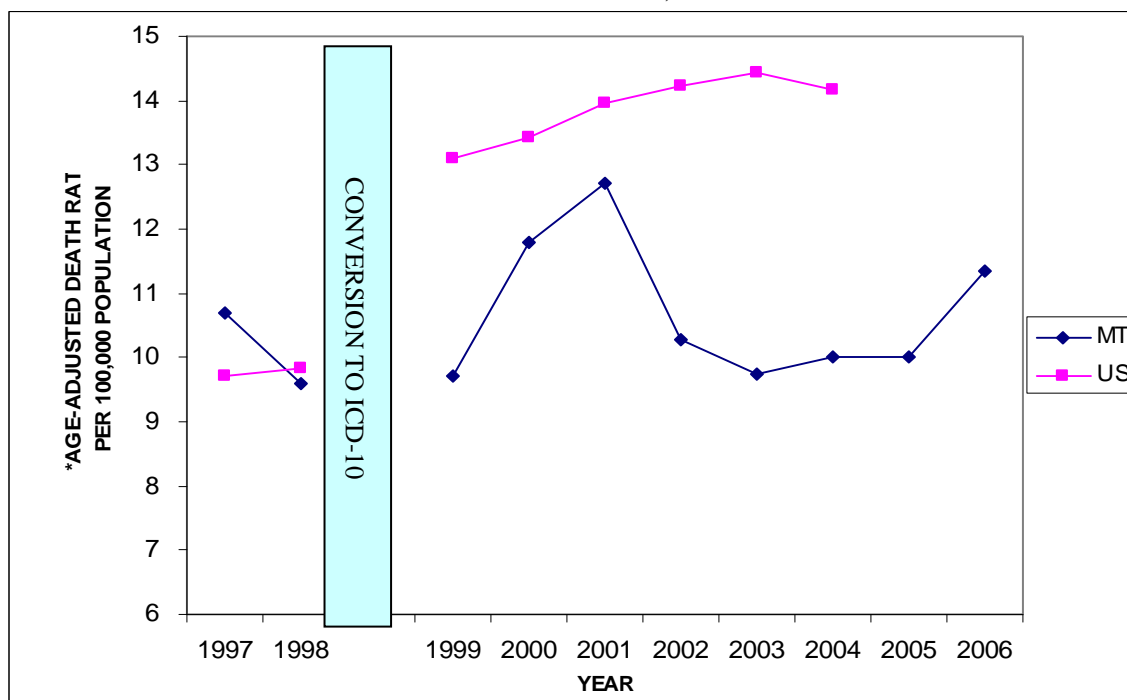


Figure 39

AGE-ADJUSTED* DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA AND U.S.** RESIDENTS, 1997-2006



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 40

AGE-SPECIFIC DEATH RATES FOR NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS
ICD-9: 580-589; ICD-10: N00-N07, N17-N19, N25-N27
MONTANA RESIDENTS, 1997-2006

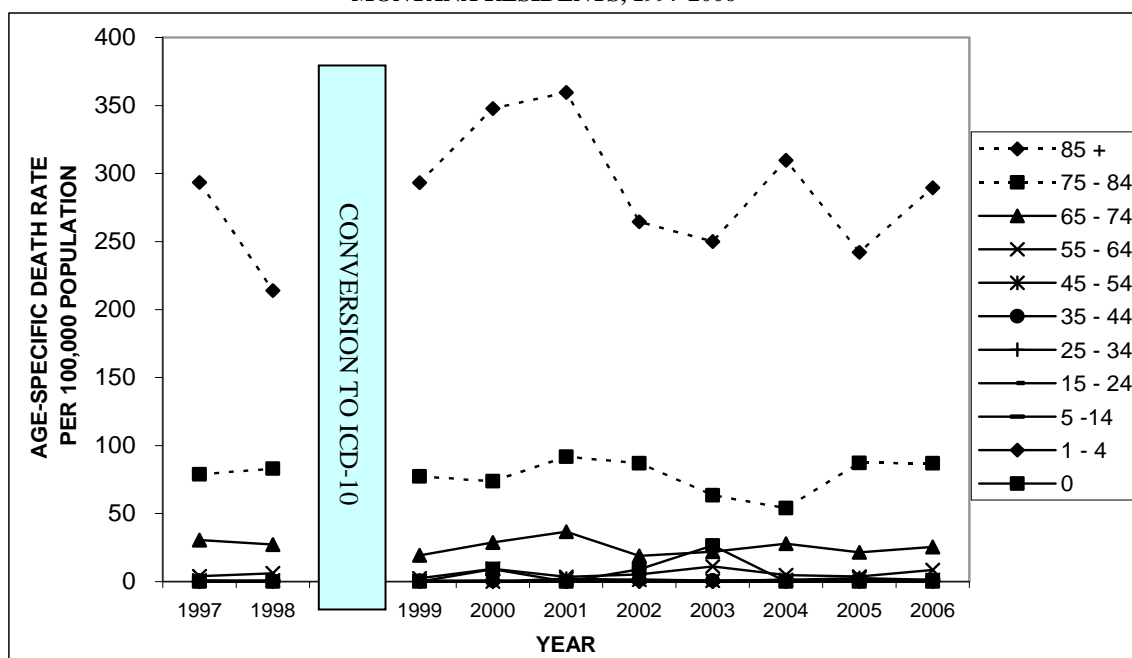
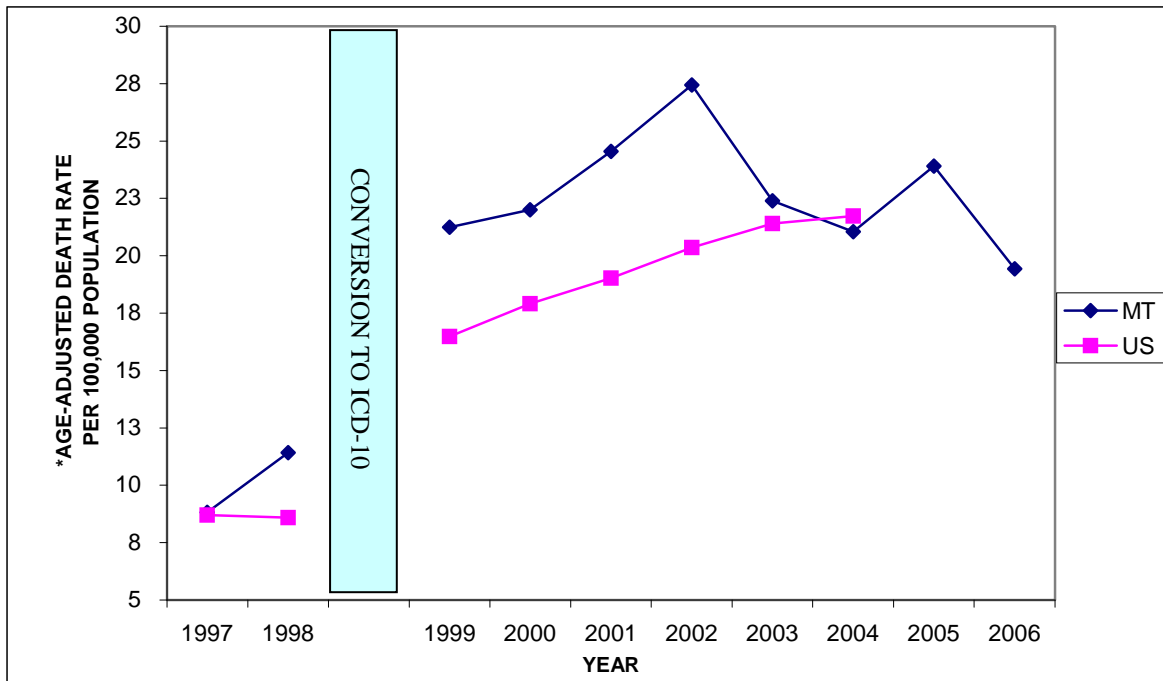


Figure 41

AGE-ADJUSTED* DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA AND U.S.** RESIDENTS, 1997-2006



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 42

AGE-SPECIFIC DEATH RATES FOR ALZHEIMER'S DISEASE
ICD-9: 331.0; ICD-10: G30
MONTANA RESIDENTS, 1997-2006

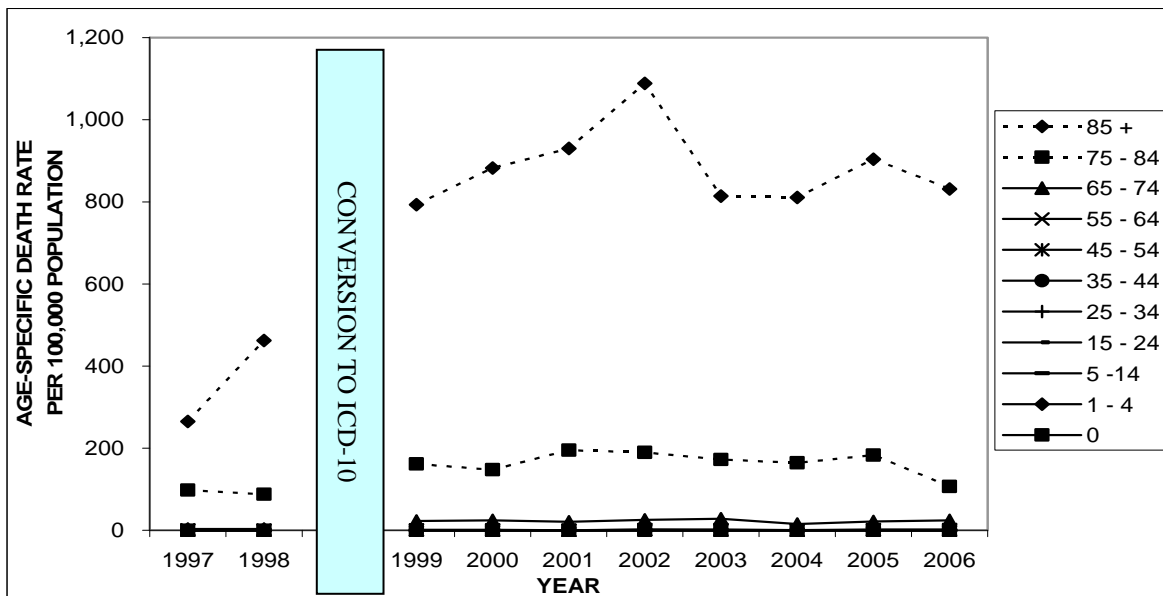
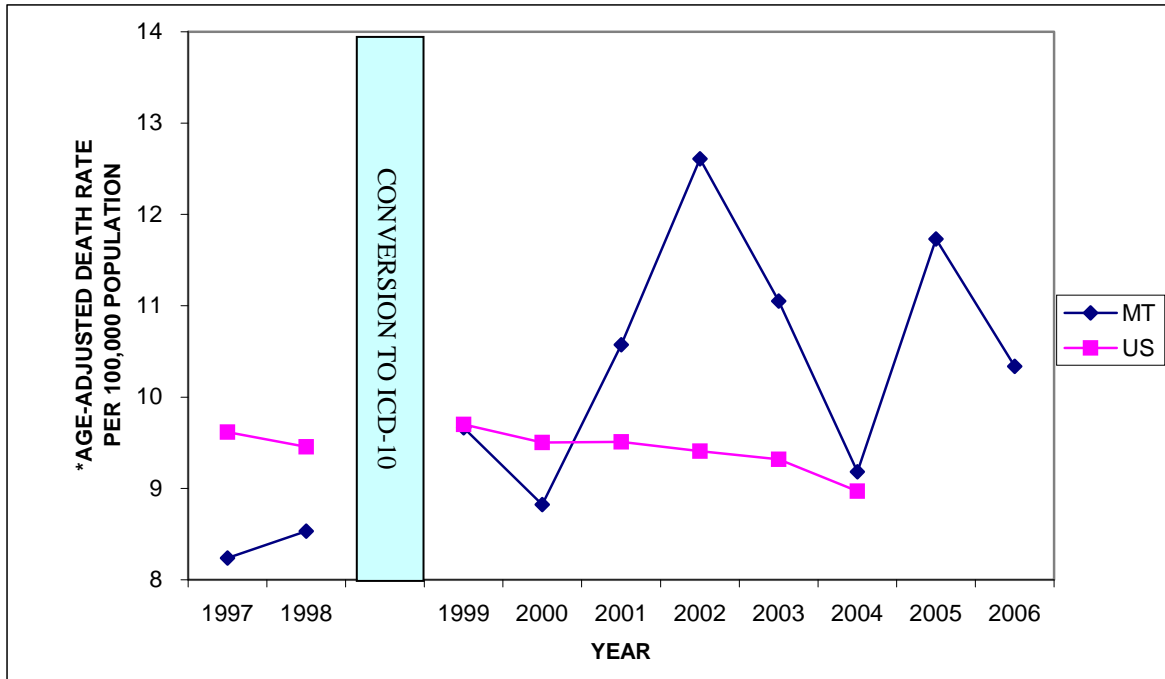


Figure 43

AGE-ADJUSTED* DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA AND U.S. RESIDENTS, 1997-2006**



* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are preliminary and 2005 and 2006 are not yet available.

Figure 44

AGE-SPECIFIC DEATH RATES FOR CHRONIC LIVER DISEASE AND CIRRHOSIS
ICD-9: 571; ICD-10: K70, K73-K74
MONTANA RESIDENTS, 1997-2006

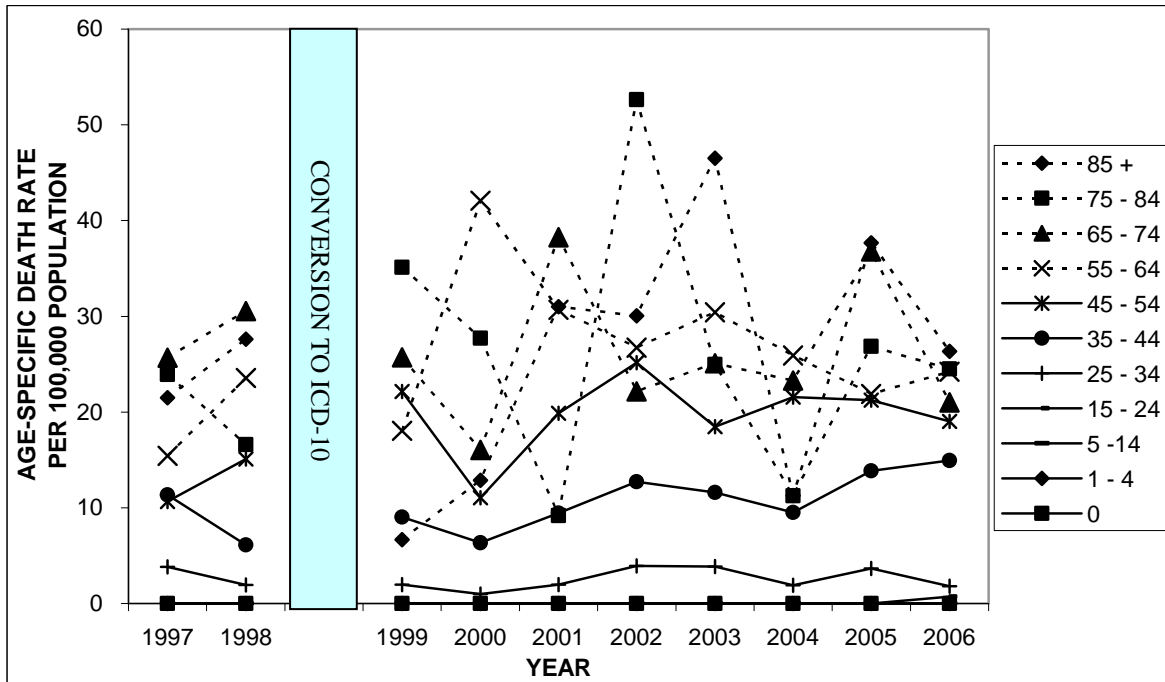
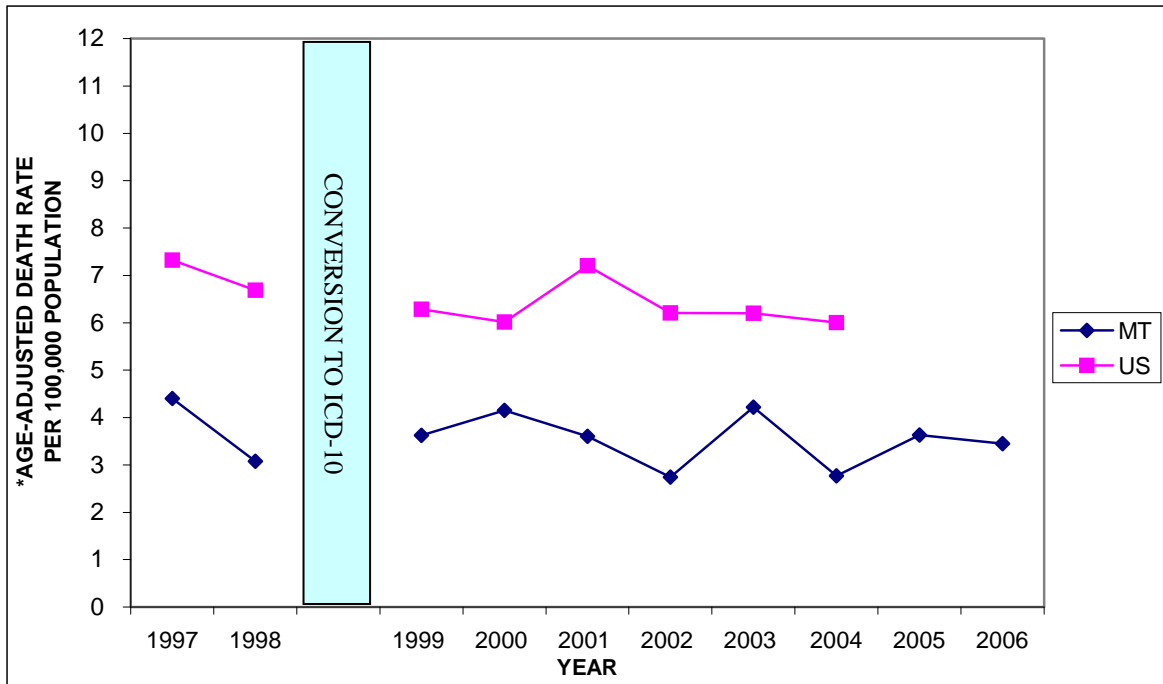


Figure 45

AGE-ADJUSTED DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA AND U.S. RESIDENTS, 1997-2006**

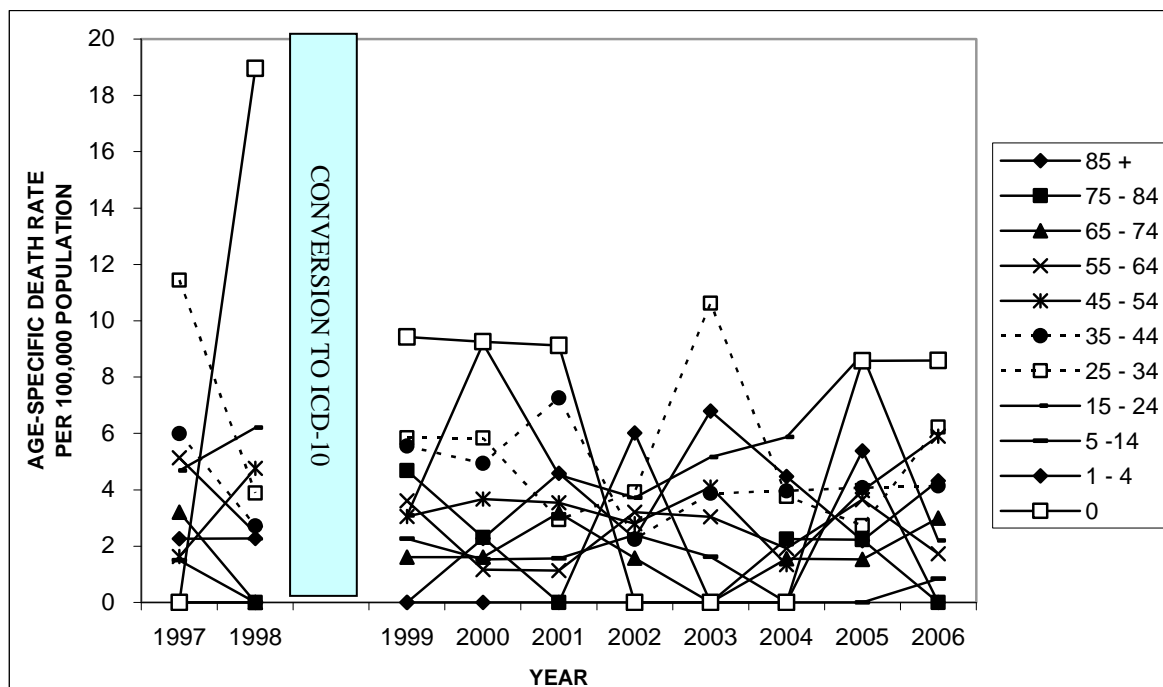


* Adjusted with the direct method to the projected 2000 U.S. population.

** The U.S. rates for 2004 are final and 2004 & 2005 are not yet available.

Figure 46

AGE-SPECIFIC DEATH RATES FOR HOMICIDE AND LEGAL INTERVENTION
ICD-9 : 960-978; ICD-10 : Y35, X85-Y09, Y871, Y890
MONTANA RESIDENTS, 1997-2006



In all years displayed, Montana's overall (i.e. all cause) age-adjusted death rates are below or about equal to those for the U.S. and have declined over time. Montana's age-adjusted death rates are also below those for the U.S. for many of the chronic diseases displayed; Montana's rates for heart disease, cancer, and nephritis (nephritis, nephrotic syndrome, and nephrosis) were lower than those for the U.S. in seven or eight of the eight years for which both Montana and U.S. values are displayed. Montana's rates for chronic liver disease and cirrhosis were lower than U.S. rates in both of the ICD-9 years but about the same or higher in most of the ICD-10 years.

Montana's death rates for cerebrovascular disease, pneumonia and influenza, and diabetes showed inconsistent relationships with the U.S. rates, with the trend lines crossing each other more than once in this period. Montana's diabetes rates were lower than those for the U.S. in both of the ICD-9 years. The U.S. diabetes rate seems relatively unaffected by the conversion to ICD-10. The Montana diabetes rate appears as unstable before and after the conversion. This may be the result of a change in a relatively small number of deaths from diabetes and have nothing to do with the revision of ICD. Montana's death rate for cerebrovascular disease was higher than the U.S. rate for one of the years in which ICD-9 coding rules were used and two of the ICD-10 years.

The state rates for chronic lower respiratory disease (C.L.R.D.)--which includes chronic and unspecified bronchitis, emphysema, and asthma--were higher than those for the U.S. in all years displayed. Revision of ICD did not change this relationship. Montana's death rate from Alzheimer's disease was virtually the same as that of the U.S. in 1997, when ICD-9 was used for cause-of-death classification, but higher in most of the other years displayed. Revision of ICD substantially increased Alzheimer's rates for both Montana and U.S.

Montana's rates for one traumatic cause of death—homicide and legal intervention—were lower than the corresponding U.S. rates in all years displayed. Montana's rates for the remaining traumatic causes of death—accident (both motor vehicle and non-motor- vehicle) and suicide rates—were substantially higher than those for the nation in all years displayed. None of the death rates for these traumatic causes appear to have been affected greatly by the ICD revision.

These graphs show secular (i.e. long-term, despite occasional instability in the short-term) reductions in Montana's age-adjusted death rates for specific chronic diseases such as heart disease, cancer, pneumonia and influenza, and cerebrovascular disease. The rates for chronic liver disease and cirrhosis are on the increase, although the trends are somewhat unstable and possibly affected by the change in ICD coding. The rate of suicide has increased slightly since the introduction of ICD-10 and is often nearly twice the U.S. rate.

The rates for Alzheimer's, nephritis, C.L.R.D., and diabetes are apparently neither increasing nor decreasing consistently. While U.S. death rates for accidents seem to be increasing, Montana's seem to be relatively stable, although much higher than U.S. rates. Montana's rates for motor vehicle accidents are not only higher than U.S. rates, they are also increasing.

For both Montana and the U.S., age-adjusted death rates for nephritis and Alzheimer's increased after the introduction of ICD-10, suggesting that, to some degree, the increase reflects conversion to the new revision of ICD. The rates for pneumonia and influenza decreased after the conversion to ICD-10. These results are consistent with the comparability ratios for these causes discussed earlier. (See **Figure 1** in the Technical Overview.)

AGE, SEX, AND RACE

Cause of death varies with the age, sex, and race of the decedent. Males were more likely than females to die of many of the leading causes of death listed in **Table S-7** found in Vital Statistics reference tables. For instance, more males than females died of chronic lower respiratory diseases and chronic liver disease and cirrhosis. The larger difference between males and females, however, was seen in deaths from traumatic causes. About 65% of the accidental deaths were those of males (see **Figure 47**). More than twice as many males as females died of homicide. Finally, more than six times as many males as females committed suicide. In contrast, much more nearly equal numbers (and proportions) of males and females died of heart disease and cancer.

It is also instructive that slightly more than 17.7% of the Native Americans who died in 2006 died of one of the traumatic causes—suicide, homicide, or accident—while only about half that proportion (8.5%) of whites were claimed by these causes.

Accidents caused more deaths of the young than the old. They accounted for 18% of the accidental deaths of those 14 years of age or younger, 59.6% of the deaths of those between the ages of 15 and 24, and 38.4% of those between the ages of 25 and 34 years. By contrast, accidents accounted for less than 3% of the deaths of those aged 65 or older.

Suicide was the cause of death for 17.0% of the decedents between the ages of 15 and 44. By contrast, it was the cause of death for only 2.2% of decedents of all ages. Of the suicide victims, 86.6% were males.

As age at death increases, chronic diseases—particularly heart disease and cancer—become more frequent as the cause of death. Cancer, followed by heart disease, was the leading cause of death for the age categories between 45 and 84 years—30.9% and 20.5%, respectively. However, for the age categories 85 and older, heart disease was the leading cause, with cancer second—28.4% and 11.7%, respectively. For the all-age category, cancer (23%) was the leading cause of death, followed closely by heart disease (22%). Frequencies of death by cause for various age groups are shown in **Figure 49**. Frequencies and crude rates for the ten leading causes of death (for decedents of all ages) are shown for Montana and each of its counties in **Table S-6**.

Figure 47 displays frequencies of death for Montanans in 2006 by race, sex, and selected major cause of death.

Figure 47

**FREQUENCY OF DEATH BY SELECTED CAUSE, RACE, AND SEX
MONTANA RESIDENTS, 2006**

Cause of Death	All Races Male	All Races Female	White Male	White Female	Native American Male	Native American Female
All Causes	4,273	4,162	3,954	3,920	264	212
Cancer	1,023	917	965	866	51	46
Heart Disease	999	858	951	822	39	30
Chronic Lower Respiratory Diseases	259	317	246	307	11	8
Accidents	354	193	302	172	41	21
Cerebrovascular Disease	181	277	171	267	7	9
Diabetes Mellitus	133	118	120	101	11	13
Alzheimer's Disease	55	171	55	168	-	3
Suicide	162	25	150	20	11	4
Pneumonia & Influenza	79	91	72	86	6	5
Nephritis, Nephrotic Syndrome, and Nephrosis	69	63	63	58	5	4
Chronic Liver Disease and Cirrhosis	58	54	47	32	9	19
Homicide	24	11	16	10	7	-
All Other Causes	877	1,067	796	1,011	66	50

As mentioned in the Technical Overview of this report, the Montana death certificate, beginning in 2003, records race in greater detail than in the past. Not only are more racial categories used, but informants are also specifically asked to name all of the several classifications that may apply to a decedent. The result of this additional prompting has been a much greater proportion of decedents classified by two or more races. In order to calculate mortality rates by race, NCHS has provided OVS the most likely “bridged,” or main, race for each decedent. These bridged race classifications are described in the Introduction of this report and are used in the report’s Figures and mortality reference tables. This different manner of counting deaths by race could very possibly alter the outcome of mortality ratios calculated for the various races and affect apparent racial disparities. Figure 48 displays the distribution of decedents by race for the last decade, by year of death.

Figure 48

**FREQUENCY AND PERCENT DISTRIBUTION OF DEATH BY RACE*
MONTANA RESIDENTS, 1997-2006**

RACE	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
ALL RACES	7,730	7,960	8,082	8,071	8,252	8,473	8,441	8,083	8,497	8,435
WHITE	7,374	7,590	7,618	7,668	7,839	8,003	7,918	7,568	7,968	7,874
Percent	95.4	95.4	94.3	95	95	94.5	93.8	93.6	93.8	93.3
NATIVE AMERICAN	333	345	429	366	385	433	402	422	438	476
Percent	4.3	4.3	5.3	4.5	4.7	5.1	4.8	5.2	5.2	5.6
OTHER OR UNKNOWN RACE	23	25	35	37	28	37	121	93	91	85
Percent	0.3	0.3	0.4	0.5	0.3	0.4	1.4	1.2	1.1	1

* Only single racial classifications were reported on the Montana death certificate in years prior to 2003. In subsequent years multiple races were reported and, for those records on which more than one race was reported, a single main or “bridged” race was chosen from among the reported races.

Figure 49

**FREQUENCY OF DEATH BY CAUSE
AND BY AGE
MONTANA RESIDENTS, 1997-2006**

CAUSE OF DEATH	TOTAL	UNDER 1 YEAR	1-4 YEARS	5-14 YEARS	15-24 YEARS	25-34 YEARS	35-44 YEARS	45-54 YEARS	55-64 YEARS	65-74 YEARS	75-84 YEARS	85 OR MORE
ALL CAUSES	8,435	70	19	28	146	138	257	589	918	1,312	2,282	2,676
CANCER	1,940	-	1	6	10	9	26	138	328	490	619	313
HEART DISEASE	1,857	-	-	1	1	10	39	115	180	239	511	761
CHRONIC LOWER RESPIRATORY DISEASES	576	-	-	1	-	-	-	15	53	132	229	146
ACCIDENT	547	6	8	7	87	53	63	88	53	34	60	88
CEREBROVASCULAR DISEASE	458	-	-	-	-	-	4	17	22	55	138	222
DIABETES	251	-	-	-	-	-	6	14	40	54	84	53
ALZHEIMER'S DISEASE	226	-	-	-	-	-	-	-	2	16	49	159
SUICIDE	187	-	-	2	28	30	34	32	22	16	14	9
PNEUMONIA AND INFLUENZA	170	-	-	-	1	1	2	8	9	16	39	94
NEPHRITIS, NEPHROTIC SYNDROME & NEPHROSIS	132	-	-	-	2	-	1	2	12	17	42	56
CHRONIC LIVER DISEASE AND CIRRHOSIS	112	-	-	-	1	2	20	30	29	14	11	5
CONGENITAL MALFOMATIONS & CHROMOSOMAL ANOMALIES	37	16	-	2	-	5	3	3	1	2	3	2
HOMICIDE	35	3	2	1	4	7	6	7	2	3	-	-
ATHEROSCLEROSIS	31	-	-	-	-	-	-	2	2	1	10	16
CONDITIONS ORIGINATING IN PERINATAL PERIOD	18	18	-	-	-	-	-	-	-	-	-	-
SUDDEN INFANT DEATH SYNDROME	13	13	-	-	-	-	-	-	-	-	-	-
HIV INFECTION	6	-	-	-	-	-	1	3	1	1	-	-
OTHER CAUSES	1,839	14	8	8	12	21	52	115	162	222	473	752

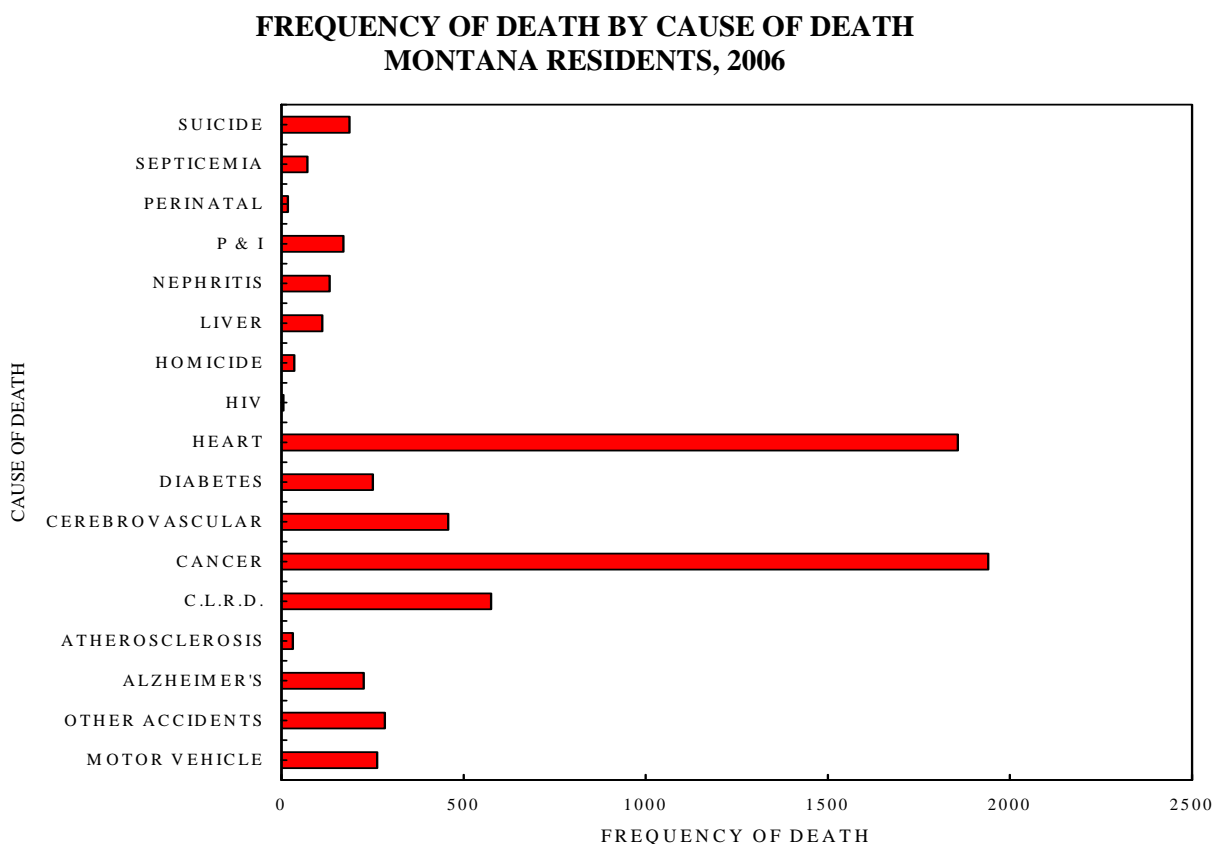
YEARS OF POTENTIAL LIFE LOST

The more traditional approach to cause of death analysis relies on frequency of death. This perspective emphasizes causes of death that affect the elderly, simply because of the larger number of such deaths. Years of potential life lost (YPLL) is an alternative measure that highlights premature, preventable, and unnecessary mortality. There are a number of different calculations for YPLL, each with a slightly different emphasis. Here we use the “premature years of potential life lost” calculation, which is easily understood and is used by the Center for Disease Control and Prevention (CDC). For each decedent younger than 75, the age at death is subtracted from 75. The results are summed by cause of death. This measure is referred to here as YPLL-75.

Frequencies and crude population-based rates for the ten leading causes of death for Montana residents are reported in **Table S-7**. The ten leading causes of death, in order, are cancer (23% of all resident deaths), heart disease (22%), chronic lower respiratory diseases (CLRD) (6.8%), accidents (6.5%), cerebrovascular disease (5.4%), diabetes (3.0%), Alzheimer’s disease (2.7%), suicide (2.2%), pneumonia and influenza (2.0%), and nephritis, nephrotic syndrome, and nephrosis (1.6%).

Figure 50 represents the traditional view of cause of death analysis, showing the frequency, or number of deaths, in each cause of death category. Montanans of all ages who died of one of the listed causes in 2006 are reflected in this figure.

Figure 50

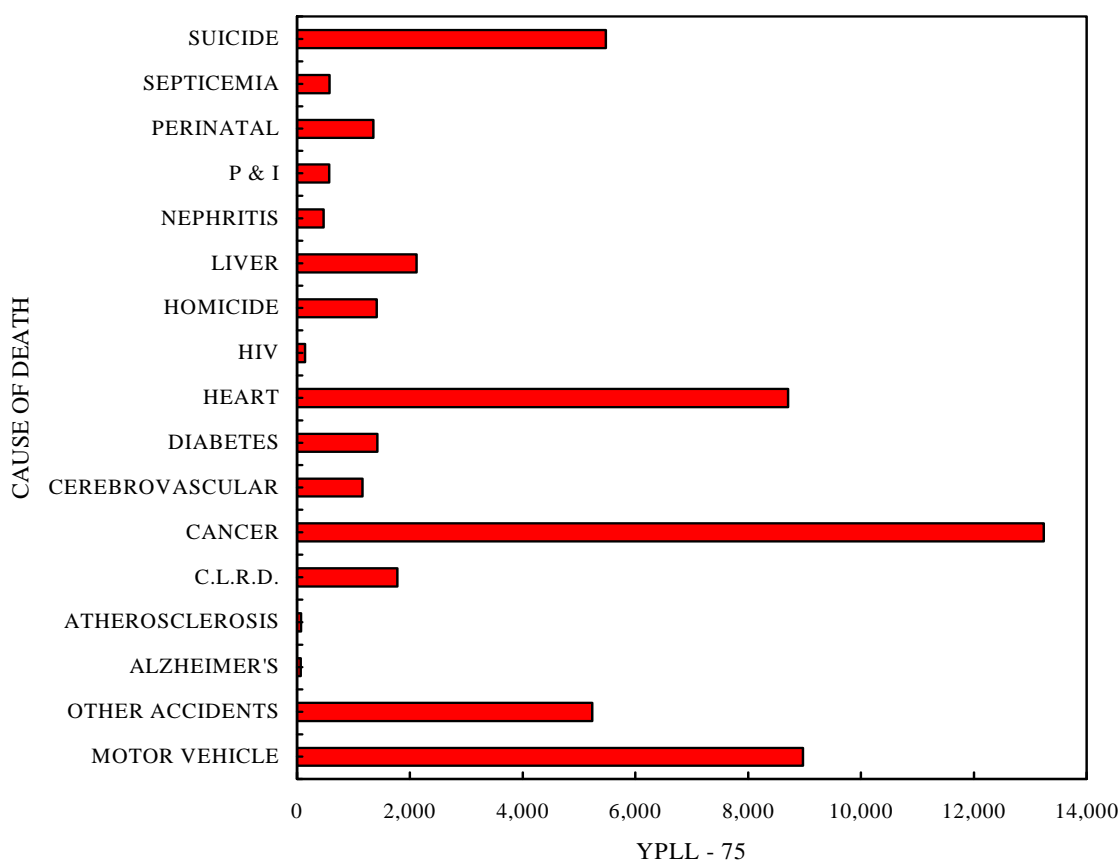


An alternative perspective, YPLL-75, is shown in **Figure 51**. Only decedents younger than 75 at the time of death are reflected in this figure

Accidents (both motor and non-motor-vehicle), homicide and legal intervention, and suicide comprise only 9.1% of the deaths in 2006 but accounted for 31.5% of the total losses as measured by YPLL-75. This disparity in proportions, with less than a tenth of the deaths accounting for nearly a third of all years lost, points to the disproportionately large cost (in terms of life lost) of the typical death from traumatic causes.

Figure 51

**TOTAL YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2006**

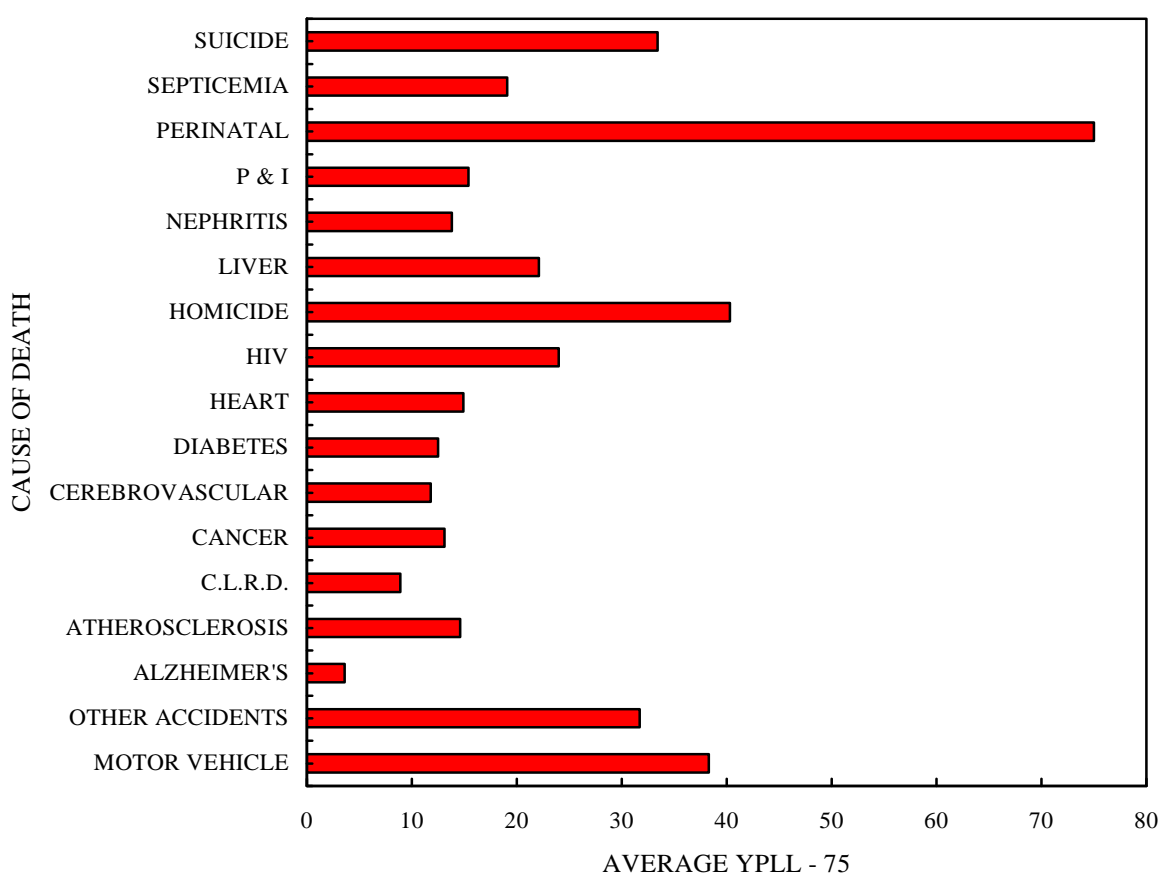


In 2006, the total loss of life before age 75 was 67,068 years. The loss to society resulting from cancer was 19.7% of all years lost. Accidental deaths of any type accounted for 21.2% of total YPLL, with motor vehicle accidents accounting for 13.4% and non-motor-vehicle accidents accounting for 7.8%. Heart disease also caused large losses to society, accounting for 8,708 years lost (13.0%). Other deaths due to traumatic injury such as suicide and homicide and legal intervention, accounted for 8.2% and 2.1%, respectively.

Regardless of which of these two perspectives is used, cancer and heart disease cause a large social loss because of the numbers of deaths they cause, both among decedents of all ages and those less than 75 years of age. In both cases many of the decedents were younger than 75 years of age at death. Fifty-two percent of cancer victims were younger than 75. The corresponding figure for heart disease was 31.5%. The YPLL-75 perspective does reorder the ranking of the leading causes of death, highlighting areas the CDC has said “provide the greatest potential for health improvement.” (Morbidity and Mortality Weekly Report, June 20, 1997). Frequency of accidental deaths was ranked 4th in cause of death by frequency but this cause of death is ranked 1st in terms of YPLL-75, indicating that accidental deaths are prevalent in those less than 75 years of age and cause great losses to society due to premature death. Suicide ranked 8th by frequency, but became the 4th leading cause when measured by total YPLL-75.

Figure 52

**AVERAGE YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
MONTANA RESIDENTS, 2006**



Average YPLL-75 is calculated by dividing the total YPLL-75 for each cause of death by the number of decedents less than 75 years of age. While total YPLL-75 emphasizes the loss to society in terms of years of lost life, average YPLL-75 emphasizes the loss to the individual. This measure is shown in **Figure 52**.

Figure 53

**AGE AT DEATH AND YEARS OF POTENTIAL LIFE LOST BEFORE AGE 75
BY CAUSE OF DEATH
CENTRAL TENDENCY AND DISPERSION*
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH	AVERAGE YPLL - 75	NUMBER OF DECEDENTS YOUNGER THAN 75	TOTAL YPLL - 75	MINIMUM AGE	MEAN AGE	MEDIAN AGE	MODAL AGE	MAXIMUM AGE	STANDARD DEVIATION	NUMBER OF DECEDENTS OF ALL AGES
ALL CAUSES	19.3	3,477	67,068	0	73.2	78	85	106	18.8	8,435
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	75.0	18	1,350	0	0.0	0	0	0	0.0	18
ASSAULT (HOMICIDE)	40.3	35	1,410	0	34.7	35	0	70	20.4	35
MOTOR VEHICLE ACCIDENTS	38.3	234	8,970	0	41.8	40	19	94	22.0	263
INTENTIONAL SELF-HARM (SUICIDE)	33.4	164	5,477	13	46.6	44	52	95	20.0	187
NON-MOTOR-VEHICLE ACCIDENTS	31.7	165	5,237	0	61.2	62	85	99	25.6	284
HIV INFECTION	24.0	6	144	44	51.0	47	45	65	8.6	6
CHRONIC LIVER DISEASE AND CIRRHOSIS	22.1	96	2,117	23	57.1	55.5	53	93	14.4	112
SEPTICEMIA	19.1	30	574	17	71.9	78	78	93	17.0	71
PNEUMONIA & INFLUENZA	15.4	37	571	23	81.7	86	89	105	14.4	170
HEART DISEASE	14.9	585	8,708	13	78.0	82	90	104	14.5	1,857
ATHEROSCLEROSIS	14.6	5	73	53	83.3	86	82	99	12.2	31
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	13.8	34	469	20	79.5	82	81	99	13.6	132
CANCER	13.1	1,008	13,238	1	71.9	74	84	101	13.4	1,940
DIABETES	12.5	114	1,423	36	74.0	76	84	100	12.9	251
CEREBROVASCULAR DISEASE	11.8	98	1,158	40	81.4	84	82	103	11.7	458
CHRONIC LOWER RESPIRATORY DISEASES	8.9	201	1,780	5	77.3	78.5	82	100	10.4	576
ALZHEIMER'S	3.6	18	64	59	86.6	87	86	103	7.0	226
OTHER CAUSES	22.7	629	14,305	0	74.7	82	85	106	21.0	1,818

* The *mean* is the arithmetic average, the *median* is the midpoint, and the *mode* is the age for the greatest number of decedents. The *standard deviation* measures the concentration of the distribution around the mean.

The category “conditions originating in the perinatal period” showed the greatest average loss to an individual (75 years lost). Traumatic causes of death—including homicide and legal intervention (40.3 years lost), motor vehicle accidents (38.3 years lost), suicide (33.4 years lost) and non-motor-vehicle accidents (31.7 years lost)—occupied the next four highest ranks.

Figure 53 summarizes average and total YPLL-75, frequency of death, and age at death in tabular form for these same 17 causes of death. The left side of the table shows YPLL-75 and related measures for decedents less than 75 years of age at the time of death. The right side of the table shows statistics referring to all decedents, regardless of age.

Specific causes of death are shown in descending order of average years of life lost before age 75. In general, average YPLL-75 was high when median age was low. For instance, victims with Alzheimer’s had the lowest associated average YPLL-75, 3.6 years per decedent younger than 75, and the highest median age, 86.6 years, among all the specified causes.

There were several exceptions, however, because average YPLL-75 is influenced by both the age at which decedents died and the number of decedents under age 75 in the cause-of-death category in question. Average YPLL-75 was highest for those dying of conditions arising in the perinatal period. This is not surprising, since such decedents generally die in infancy or early childhood. Compared to the numbers who died of cancer (1,940) or heart disease (1,857), relatively few residents died of conditions arising in the perinatal period. However, all 18 of these decedents died within the first year of life and each contributed the maximum number of years (75) to total YPLL-75.

Although YPLL has significant advantages for analyzing mortality data from a public health perspective, it has a decided disadvantage in that some data—the records of the older decedents—are excluded from the calculations.

More than half of the decedents who died from septicemia, pneumonia and influenza, nephritis, heart disease, diabetes, cerebrovascular disease, chronic lower respiratory disease, atherosclerosis, and Alzheimer’s are excluded from YPLL-75 analysis.

While YPLL highlights those causes of death having the greatest impact on the younger members of the population, it does so at the cost of diverting attention from the causes of death affecting older members.

CANCER INCIDENCE

CANCER INCIDENCE BY PRIMARY SITE

This section contains a report on Montana's cancer incidence data for the diagnosis years 1997-2006, reported as of September 2007 to the Montana Central Tumor Registry. Mortality data in this report are shown for only the 2006 calendar year. Overall, reporting is over 95% complete for cancer cases diagnosed 1997-2006. Reporting for the 2006 diagnosis year is approximately 80% complete with 4,051 new cancer diagnoses having been reported. The expected number of Montana cancer cases for 2006 is approximately 5,000. Estimates of Montana's expected cancer cases are based on the North American Association of Central Cancer Registries (NAACCR) method. The expected incidence rate for Montana was computed from Montana race-sex-site-specific, age-adjusted death rates (2000 U.S.) and incidence-to-mortality (I/M) rate ratios computed from Statistics, Epidemiology, and End Results (SEER) race-sex-site-specific, age-adjusted (2000 U.S.) incidence rates and U.S. race-sex-site-specific, age-adjusted death rates (2000 U.S.).

Table C-1 shows reported incidence of cancer for Montana residents diagnosed from 1997-2006 (10-year incidence). While previous reports showed cancer incidence data for one year, this report tabulates cancer incidence for 10 years and the data should not be compared with those in previous publications showing one-year incidence data. The table shows cancer incidence by sex and by primary site--the original bodily location or organ system of the cancer. The most frequently diagnosed cancers were of the prostate (16.9% of all cancer diagnoses, 33% of male diagnoses), female breast (16.7% of all diagnoses, 35% of female diagnoses), the lung and bronchus (13.7%), the colon (7.3%), the urinary bladder (4.7%), Hodgkin and Non-Hodgkin Lymphoma (4.4%), melanoma (3.1%), and the rectum and rectosigmoid (2.9%). Invasive cervical cancer accounted for only 1.6% of female cancers (8.8% for both in-situ and malignant) for females for 1997-2006. However, 1,637 of the 2,011 cervical cancers were in-situ; that is, non-invasive. Testicular cancer also accounted for 1.1% of male cancers--only 267 cases were reported in 1997-2006.

Table C-2 shows the incidence of cancer for the ten most frequently diagnosed primary sites and by the sex and age of the patient at diagnosis. Men diagnosed with prostate cancer tended to be 50 or older. Diagnoses of breast cancer in women generally began in their late thirties and the age distribution was not as concentrated on a central age category as was that of prostate cancer for men. In 1997-2006, Montanans diagnosed with cancers of the lung and bronchus or the urinary bladder were most likely to be men aged 50 or older. Those diagnosed with cancer of the colon were about equally likely to be male or female and usually 50 years of age or older. The distribution of cancer diagnoses by site, sex and age is shown in Table C-2. Cancer diagnoses by site, sex, and county of residence is shown in Table C-3 for the 10 most frequently diagnosed primary sites.

Figures 54, 56, 58, and 60 show the number of cancer diagnoses by year, sex of the patient, and stage of disease at diagnosis for prostate, breast, lung, and colorectal cancer, respectively. The stage of disease is recorded at the time of diagnosis and is not changed if the cancer progresses. Diagnosis at a localized stage means that the cancer has not spread beyond the organ or site of origin. Diagnosis at a regional stage means the cancer has spread to adjacent organs or regional lymph nodes. Diagnosis at a distant stage means the cancer has spread past adjacent organs or tissues to lymph nodes or organs elsewhere in the body.

Figures 55, 57, 59, and 61 show the five-year relative survival rates for these same cancers, comparing Montana and the United States (SEER). SEER rates are used for comparison as they represent the U.S. as a whole and also provide survival statistics. The five-year survival rate is the percent of all patients who are living five years after diagnosis, whether the patient is in remission, disease-free, or under treatment. These rates have been adjusted to account for patients dying from causes other than cancer.

PROSTATE CANCER

Prostate cancer was the most common cancer diagnosed in men in Montana and the United States, with 8,052 cases reported for 1997-2006 and 690 cases reported for 2006 in Montana. This incidence rate usually exceeds that of lung cancer. Nationally, it is primarily a disease of the elderly, as the median age at diagnosis is 70. In 2006, 129 Montana residents died of prostate cancer (**Tables D-1, D-2, D-5, and D-6**), making it the fourth leading cause of cancer deaths.

Figure 54 shows the number of prostate cancer diagnoses reported by year and the stage at diagnosis for the years 1997 through 2006. The patient diagnosed with prostate cancer at early stages may be asymptomatic or just have symptoms of lower urinary tract obstruction. During 1997-2006, 73% of prostate cancers were diagnosed at a local stage but being diagnosed at a localized stage has increased from 59% in 1997 to 88% in 2006. Bone pain is the most frequent complaint from patients diagnosed with advanced disease. In Montana, the percentage of prostate cancers diagnosed at a distant stage decreased from 6% in 1997 to 3% in 2006. The Prostate-Specific Antigen (PSA) test has been useful in detecting prostate cancer at earlier stages. Almost 95% of cancers of the prostate are characterized as adenocarcinoma. The percent of unknown stage at diagnosis decreased from 22% in 1997 to 0% in 2006 since the American Joint Committee on Cancer's Collaborative Staging System was implemented in 2004.

Figure 54

DIAGNOSIS OF PROSTATE CANCER MONTANA RESIDENTS, 1997-2006[^]

Year of Diagnosis	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Number of Cases Diagnosed	670	742	781	810	849	919	880	871	840	690
Percent Stage at Diagnosis*										
Local	59%	64%	64%	68%	71%	75%	72%	84%	81%	88%
Regional	13%	13%	15%	12%	10%	11%	13%	11%	11%	9%
Distant	6%	5%	3%	4%	4%	3%	4%	3%	4%	3%
Unknown	22%	17%	18%	16%	15%	11%	11%	2%	4%	0%

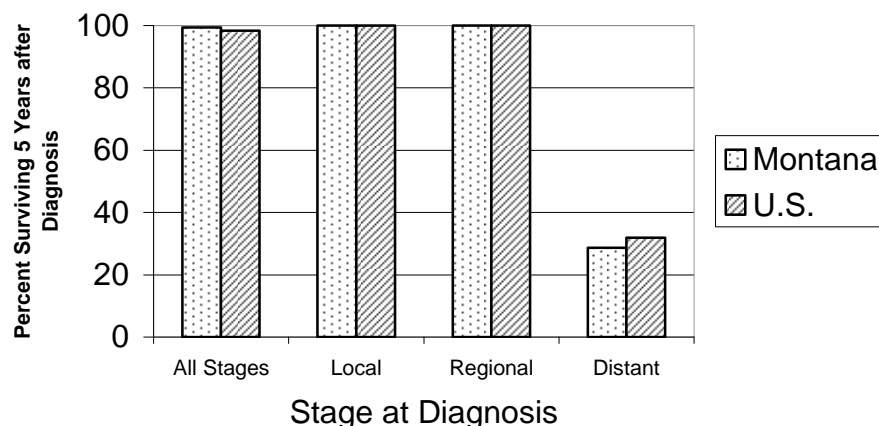
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 55 shows five-year survival rates for prostate cancer, comparing Montana's to the United States' rate. One hundred percent of Montanans diagnosed at a localized or regional stage were alive five years after diagnosis; however, only about 30% of those diagnosed at a distant stage were alive five years after diagnosis. Although survival rates are high for early diagnosis, it should be re-emphasized that prostate cancer was the fourth leading cause of cancer deaths among Montanans in 2006.

Figure 55

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR PROSTATE CANCER
MONTANA AND THE UNITED STATES, 1997-2006**



Prostate cancer is generally treated with surgery or radiation. About 45% of patients diagnosed with prostate cancer have surgery (transurethral resection of the prostate (TURP) or prostatectomy) and about 25% of patients diagnosed with prostate cancer have radiation therapy during first course of treatment. Very few patients opt for both surgery and radiation. Patients with early stage prostate cancer often opt for no treatment, but their physicians must watch these patients closely. About 20% are treated with hormonal therapy shortly after diagnosis, but this course of treatment is usually reserved for patients with advanced disease.

BREAST CANCER

Breast cancer was the most frequently reported malignancy among Montana women with 7,971 cases reported for 1997-2006 and 724 cases reported for 2006. It was the underlying cause of death for 111 female Montanans and no males, making breast cancer the third leading cause of cancer deaths in 2006 (**Tables D-1, D-2, D-5, and D-6**). Breast cancer incidence increases dramatically with age, and the majority of cases occur after age 50. In Montana in 2006, 19% were diagnosed at an in-situ stage, 51% of breast cancers at a local stage, 26% at a regional stage, and 3% at a distant stage.

The distribution of stage at diagnosis is shown in **Figure 56**. The proportion of patients diagnosed at an in-situ stage has increased slightly over the past decade, while the proportion diagnosed at local and regional stages has decreased. Patients are being diagnosed at earlier stages and are detecting cancers earlier. It is well established that women with early-stage breast cancer have better chances of survival. Screening mammography can detect a breast cancer in an earlier stage, which may account for an increase in the diagnosis of breast cancer nationally over the last decade. The percent of unknown stage at diagnosis decreased from 5% in 1997 to 1% in 2006 since the American Joint Committee on Cancer's Collaborative Staging System was implemented in 2004.

Figure 56

**DIAGNOSIS OF BREAST CANCER
MONTANA RESIDENTS, 1997-2006[^]**

Year of Diagnosis		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Number of Cases Diagnosed	Males	6	5	5	2	5	2	3	3	5	2
	Females	740	780	834	828	863	783	842	779	800	722
Percent Stage at Diagnosis*											
In-Situ		13%	14%	17%	18%	20%	19%	20%	22%	19%	19%
Local		50%	53%	52%	54%	49%	52%	50%	48%	50%	51%
Regional		28%	27%	23%	22%	24%	22%	24%	23%	25%	26%
Distant		3%	2%	3%	3%	3%	2%	3%	4%	4%	3%
Unknown		5%	4%	5%	4%	4%	4%	3%	3%	2%	1%

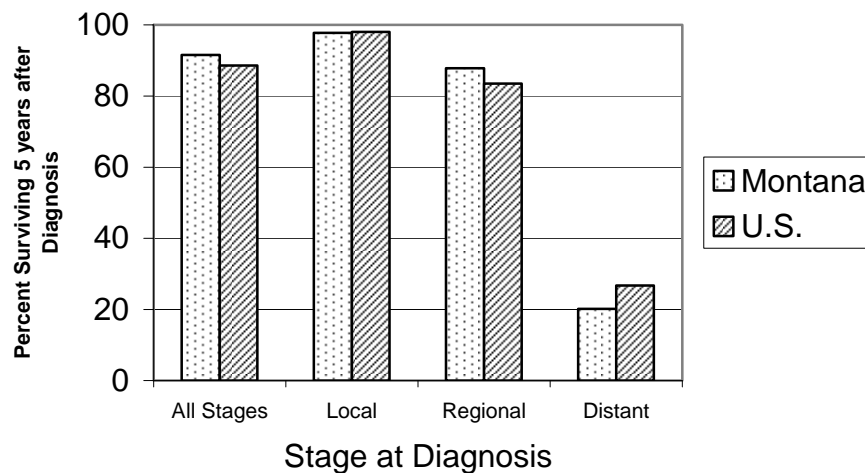
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 57 shows the five-year relative survival rate for women diagnosed with breast cancer, comparing Montana with the United States. For Montana women, 98% of women survived 5 years if diagnosed at a local stage and about 88% if diagnosed at a regional stage. If the cancer was diagnosed at a distant stage, the 5-year rate of survival was 20%. Breast cancer is treated in a variety of ways. About 95% of breast cancer patients are treated with surgery (lumpectomy or mastectomy) and about 40% are treated with radiation. About 40% are treated with both surgery and radiation and 35% of patients are treated with chemotherapy, hormonal therapy or both. Almost 75% of breast cancers are duct cell carcinomas and over 15% are lobular carcinomas, which are a form of adenocarcinoma of the mammary gland.

Figure 57

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR BREAST CANCER
MONTANA AND THE UNITED STATES, 1997-2006**



LUNG CANCER

In Montana, lung cancer was the second most common cancer diagnosis among men (after prostate cancer) and women (after breast cancer). In the years 1997-2006, 6,533 cancer cases have been reported and in 2006, 529 cases have been reported. It was the underlying cause of death for 524 Montanans (Tables D-1, D-2, D-5, and D-6), making it the leading cause of cancer deaths.

The number of cases diagnosed and the stage at diagnosis for lung cancer are shown in **Figure 58**. In 2006, 53% of lung cancers were diagnosed at a distant stage and only 18% at a local stage. Certain types of lung cancer spread very early and quickly, which causes the patient to be diagnosed at a regional or distant stage. The stage was unknown or unstageable for about 4% of lung cancer cases in 2006. The percent of unknown stage at diagnosis decreased from 19% in 1997 to 4% in 2006 since the American Joint Committee on Cancer's Collaborative Staging System was implemented in 2004.

Figure 58

DIAGNOSIS OF LUNG CANCER MONTANA RESIDENTS, 1997-2006[^]

Year of Diagnosis		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Number of Cases Diagnosed	Males	338	411	338	379	357	366	371	339	369	259
	Females	278	319	263	308	331	297	297	300	343	270
Percent Stage at Diagnosis*											
Local		17%	17%	16%	22%	15%	15%	15%	15%	16%	18%
Regional		25%	27%	28%	26%	29%	26%	24%	25%	21%	26%
Distant		39%	39%	39%	38%	37%	44%	47%	47%	55%	53%
Unknown		19%	17%	17%	15%	19%	16%	15%	13%	8%	4%

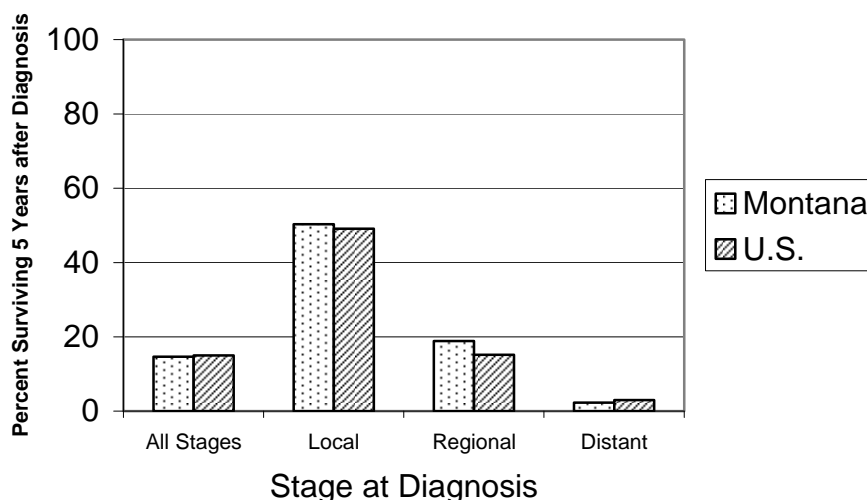
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Lung cancer has a much poorer prognosis than other cancers, partly because relatively few cases are diagnosed at an early stage. **Figure 59** shows the five-year relative survival rate for lung cancer, comparing Montana and the United States rates. Fifty percent of patients diagnosed at a localized stage survive five years; however, only 19% survive five years if diagnosed at a regional stage and about 2% if diagnosed at a distant stage. The types of treatment performed for lung cancer are determined by the type of cancer and the stage at diagnosis. Most lung cancers are treated with surgery, radiation, or chemotherapy. About 21% of patients with lung cancer are treated with surgery and about 35% are treated with radiation. Chemotherapy is given to about 50% of patients. A cough is the most common symptom of a lung cancer, but since coughing is a common symptom of many acute and chronic conditions, the diagnosis of lung cancer may be delayed. About 26% of lung cancers are adenocarcinoma, 24% are small cell carcinoma, and 20% are squamous cell carcinomas, derived from stratified squamous epithelium.

Figure 59

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR LUNG CANCER
MONTANA AND THE UNITED STATES, 1997-2006**



COLORECTAL CANCER

Colorectal cancer was the third most common malignancy in Montanans with 4,873 cases reported for 1997-2006; there were 411 cases diagnosed and 204 deaths caused by colorectal cancer in 2006 (**Tables D-1, D-2, D-5, and D-6**), making it the second leading cause of cancer deaths. Because of the anatomic proximity and physiologic similarity of the colon and rectum, these two segments are often reported together as “colorectal” cancer. The incidence of colorectal cancer is extremely low in childhood and increases with age. **Figure 60** shows the frequency and stage at diagnosis for cancers of the colorectum. In 2006, 43% were diagnosed at a local stage, 32% at a regional stage, and 21% at a distant stage. The percent of unknown stage at diagnosis decreased from 8% in 1997 to 3% in 2006 since the American Joint Committee on Cancer’s Collaborative Staging System was implemented in 2004.

Figure 60

**DIAGNOSIS OF COLORECTAL CANCER
MONTANA RESIDENTS, 1997-2006[^]**

Year of Diagnosis		1997	1998	1999	2000	2001	2002	2003	2004	2005	2006
Number of Cases Diagnosed	Males	256	288	283	251	296	264	229	239	248	217
	Females	230	235	239	246	241	240	252	220	205	194
Percent Stage at Diagnosis*											
Local		37%	34%	33%	37%	36%	36%	40%	36%	40%	43%
Regional		39%	41%	43%	42%	45%	39%	38%	36%	32%	32%
Distant		16%	17%	14%	15%	12%	17%	18%	18%	20%	21%
Unknown		8%	8%	9%	6%	7%	8%	4%	10%	8%	3%

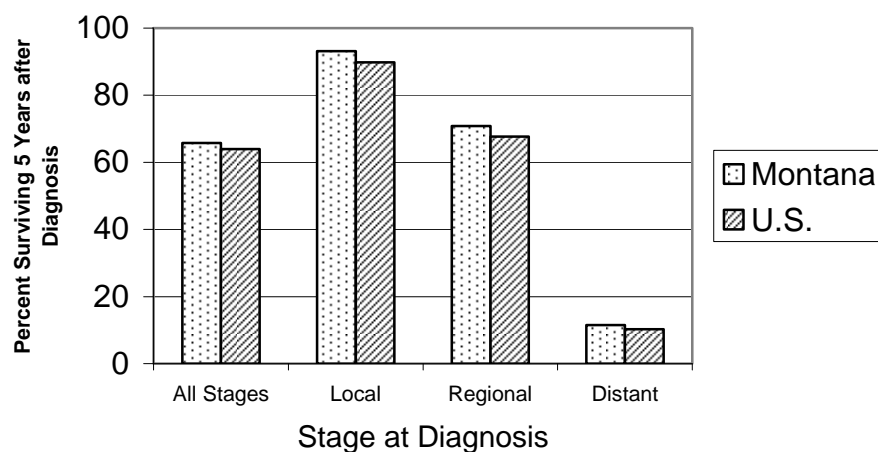
[^] 2006 data only 80% complete.

* Percentages may not add to 100 because of rounding.

Figure 61 shows the five-year relative survival of patients diagnosed with colorectal cancer, comparing Montana and the United States. When colorectal cancer is detected at an early, or localized, stage the five-year relative survival is 93%. After the cancer has spread to a regional organ or lymph node, the survival rate drops to about 71%. Colorectal cancer is most often treated with surgery or chemotherapy or both. About 85% of patients with colorectal cancer are treated with surgery and about 35% are treated with chemotherapy. About 35% of patients with rectal cancer are treated with radiation but only about 1% of patients with colon cancer are treated with radiation. About 92% of colorectal cancers are adenocarcinoma and of those, 12% are mucinous (an adenocarcinoma which secretes mucin).

Figure 61

**FIVE-YEAR RELATIVE SURVIVAL BY STAGE FOR COLORECTAL CANCER
MONTANA AND THE UNITED STATES, 1997-2006**



References:

- Ries LAG, Melbert D, Krapcho M, Mariotto A, Miller BA, Feuer EJ, Clegg L, Horner MJ, Howlader N, Eisner MP, Reichman M, Edwards BK (eds). SEER Cancer Statistics Review, 1975-2004, National Cancer Institute. Bethesda, MD, http://seer.cancer.gov/csr/1975_2004/, based on November 2006 SEER data submission, posted to the SEER web site, 2007.
- North American Association of Central Cancer Registries, Cancer in North America: 1996-2000, Volume One: Incidence, 2003.
- Robert B. Cameron, MD, Practical Oncology a Lange Clinical Manual, 1994.
- Clinical Oncology, Second Edition, American Cancer Society, 1995.

INDUCED ABORTION

There were 2,119 induced abortions performed in Montana in 2006. Of these, 1,930 were performed on Montana residents. Induced abortions have been reported to the Department since July 1, 1974, when the Montana Abortion Control Act was implemented. States no longer report induced abortions to the National Center for Health Statistics and few states exchange resident abortion statistics. For these reasons, national abortion rates are estimates based on incomplete reporting and Montana's complete resident abortion statistics are unknown. The statistics provided in this report are for those abortions occurring in Montana, and any references to Montana residents must be viewed as incomplete. **Figure 62** shows the ratio of abortions performed in Montana to live births occurring in Montana since 1976.

Since the reporting of induced abortions began, and continuing on to the early eighties, the ratio of abortions performed in Montana to the number of live-born babies delivered in the state increased rapidly; the ratio was 129.9 in 1975 and rose to a peak of 295.6 in 1983. The trend fell and reached another near-peak (295.2) in 1990. From 1990 to the present, it has generally trended downward, varying unpredictably in some years. The ratio was 169.7 in 2006.

Figure 62

RATIO OF INDUCED ABORTIONS TO LIVE BIRTHS MONTANA OCCURRENCES, 1975-2006

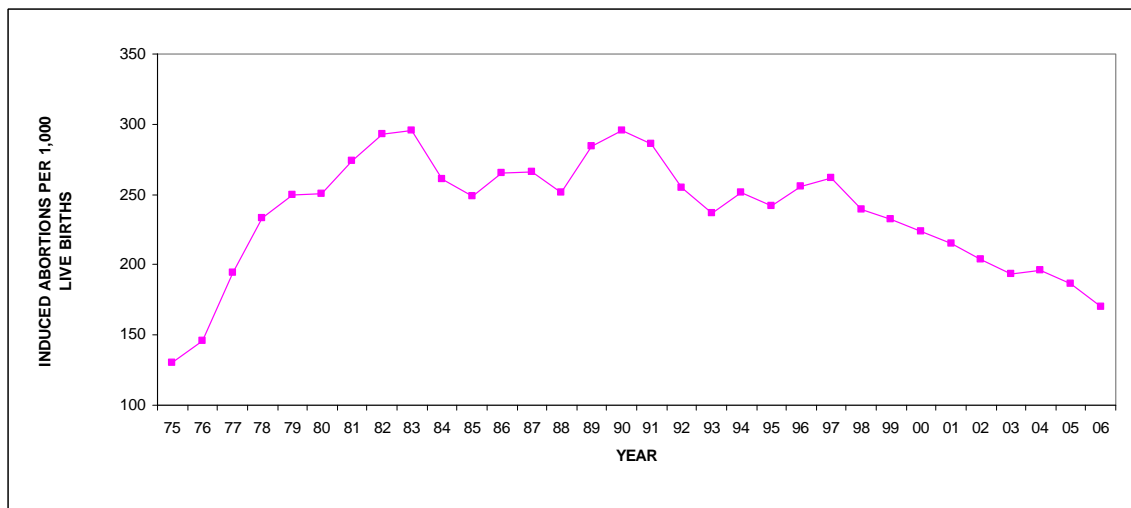


Table A-1 displays Montana occurrence abortions by the patient's number of previous pregnancies and number of previous induced abortions for 2006.

The frequency of induced abortion for all patients receiving the procedure in Montana in that year is also tabulated by age of patient (**Table A-2**) and by gestational age and procedure used for termination and gestational age of the fetus (**Table A-3**).

Table A-4 displays Montana occurrence abortions by county of occurrence, Montana county of residence, and state or country of residence.

Table S-8 shows the frequency of induced abortions--as well as that of live births and fetal deaths, the other pregnancy outcomes reported to the Department—by age and county of residence. The frequency of abortion in this table is for Montana residents receiving the procedure in Montana.

There were no deaths of women receiving abortions in Montana in 2006 attributable to the procedure of induced abortion. This has been the case in Montana since 1974.

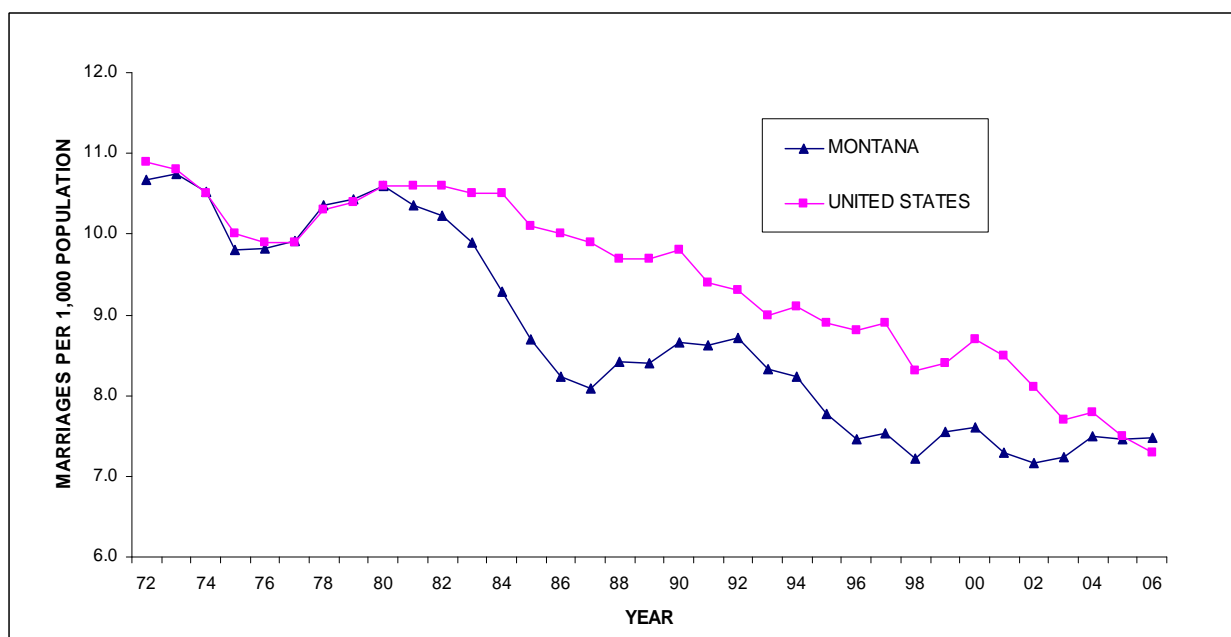
Of the 2,155 abortion procedures performed in Montana in 2005, seven resulted in reported complications--four with hemorrhage, one with infection, and two with other complications.

MARRIAGE

There were 7,055 marriages solemnized in Montana in 2006 and the rate per 1,000 population, 7.5, was a slight increase over the previous year's rate. Except for a brief resurgence in Montana's rate between 1988 and 1992, the trends in marriage rates for both Montana and the United States have been in long-term decline since 1980 (see **Figure 63**).

Figure 63

MARRIAGE RATES



MONTANA AND THE UNITED STATES, 1972-2006*

* Data for the United States in 2006 and 2003 are preliminary.

Table M-1 shows the frequency of marriage by month in the year 2006. The summer and early fall months (June through September) have been the most popular times for marriage.

The ages of brides and grooms, by age groups and prior marital status, are shown in **Table M-2**. Nearly two-thirds of the brides (65.3%) and grooms (66.4%) married for the first time in 2005.

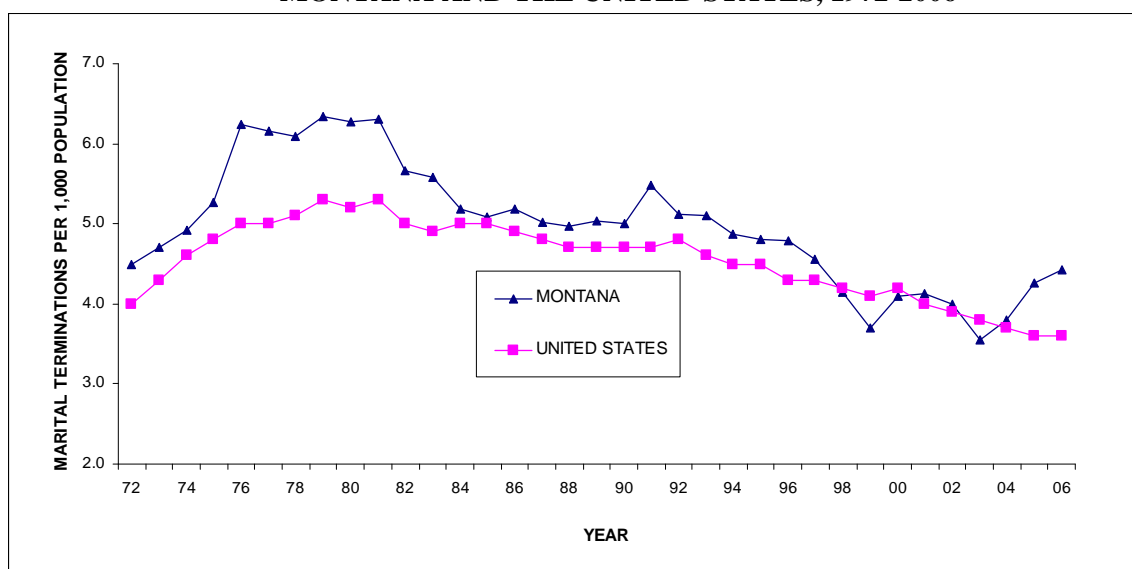
Just over half (53.4 %) of all marriages performed in Montana in 2006 were first marriages for both the bride and the groom. The frequency of such marriages is shown in **Table M-3** by age group of bride and groom. Median ages of brides and grooms for the previous dozen years are shown in **Table M-4**. The median age for first-time brides in 2006 was 24 years and that of first-time grooms was 26.

MARITAL TERMINATION

In October of 1998, the Judicial Case Management System (JCMS) assumed responsibility for the collection of marital termination records (marital dissolutions and invalid marriages). The records from 1998 through 2006 are not strictly comparable to those collected by the Office of Vital Statistics (OVS) in prior years. However, **Figure 64** shows that the trend in marital termination for Montana was roughly parallel to the national trend from 1970 through 1997, years in which data were collected by OVS, although the Montana rates were consistently higher up to the time JCMS assumed data collection. In the years after 1997, when JCMS has been collecting marital termination data, the Montana rate has dipped below, then exceeded, then again fell below, and in 2005 and 2006 again exceeded the U.S. marital termination rate.

Figure 64

MARITAL TERMINATION RATES MONTANA AND THE UNITED STATES, 1972-2006*



* Montana data were collected by the Montana Office of Vital Statistics (OVS) through September 1998 and by the Judicial Case Management System (JCMS) thereafter. Data collected by JCMS are not comparable to those collected by OVS and should be used with caution. Data for the United States in 2006 are provisional.

Montana's rate of marital termination per 1,000 population is shown in **Table S-5**. During the last 20 years that OVS collected the data, this rate decreased from a high of 6.5 in 1979 to 4.6 in 1997. As stated above, marital termination records for subsequent years—and rates calculated from those records—are not strictly comparable.

2006

MONTANA

VITAL STATISTICS

REFERENCE TABLES

SYMBOLS USED IN THESE TABLES

QUANTITY IS ZERO	-
RATE OR PERCENT IS LESS THAN 0.05 . . .	--
DATA ARE NOT AVAILABLE	---

LIST OF REFERENCE TABLES

<u>TABLE</u>	<u>CONTENTS</u>	<u>PAGE</u>
S-1	Frequency and Rate or Ratio of Death, Live Birth, and Fetal, Infant, and Maternal Death by Year - Montana, 1910-2006.	06-1
S-2	Frequency of Death, Live Birth, and Fetal, Infant, and Maternal Death by County of Occurrence and County of Residence - Montana, 2006	06-2
S-3	Frequency of Death, Live Birth, and Fetal Death by Race and County of Residence - Montana, 2006 .	06-3
S-4	Frequency of Fetal, Infant, and Child Death by Race and County of Residence - Montana, 2006. . .	06-4
S-5	Frequency and Rate of Marriage and Marital Termination by Year - Montana Occurrences, 1949-2006	06-5
S-6	Frequency of Licenses Issued and Marriages Solemnized - Montana, 2006.	06-6
S-7	Selected Vital Statistics - Frequencies and Rates or Ratios by County - Montana, 2006	06-7
S-8	Frequency and Percent Distribution of Live Births, Fetal Deaths, and Induced Abortions by Mothers' or Patients' Ages and County of Residence, 2006	06-15
P-1	State Population by County, 2000-2006	06-24
B-1	Frequency and Percent Distribution of Live Births by Infant's Sex, Legitimacy, Plurality, and Parity - Montana Residents, 2002-2006	06-25
B-2	Frequency and Percent Distribution of Live Births by Type of Facility or Attendant and by County of Occurrence - Montana, 2006.	06-26
B-3	Frequency and Percent Distribution of Live Births by Birthweight and by County of Residence - Montana, 2006	06-27

<u>TABLE</u>	<u>CONTENTS</u>	<u>PAGE</u>
B-4	Frequency and Percent Distribution of Live Births by Completed Weeks of Gestation and County of Residence - Montana, 2006	06-28
B-5	Frequency and Percent Distribution of Live Births to Montana Residents Delivering in Montana by Number of Children Born Alive and Years of Education of Mother - Montana, 2006	06-29
B-6	Frequency of Live Births by Month Pre-Natal Health Care Began and by County of Residence - Montana, 2006	06-30
D-1	Frequency of Death by Sex, Age, and up to 358 Selected Underlying Causes - Montana Residents, 2006	06-31
D-2	Frequency of Death by Sex, Race, and up to 113 Selected Underlying Causes - Montana Residents, 2006	06-55
D-3	Frequency and Rate of Death from Selected Underlying Causes by Year - Montana, 1930-2006. .	06-57
D-4	Frequency of Death from Selected Underlying Causes by County of Residence - Montana, 2006 . .	06-59
D-5	Frequency of Death from Selected Cancers by Sex of Decedent and Year of Death - Montana, 1954-2006	06-60
D-6	Frequency of Death from Selected Cancers by Sex of Decedent and County of Residence - Montana, 2006	06-61
D-7	Frequency of Infant Death by Race, Age, and up to 130 Selected Underlying Causes - Montana Residents, 2006	06-63
D-8	Frequency of Infant Death by Race, Age, and County of Residence - Five-Year Infant Mortality Rate by County of Residence - Montana, 2006 . . .	06-64

<u>TABLE</u>	<u>CONTENTS</u>	<u>PAGE</u>
	Frequency and Rate of Death from Selected Communicable Diseases by Year	
D-9	- Montana, 1930-2006	06-65
	Frequency of Maternal and Late Maternal Deaths by Year - Montana, 2003-2006	
D-10		06-67
	Frequency of Fetal Death by Race, Sex, and Completed Weeks of Gestation, and up to 124 Selected Underlying Causes	
F-1	- Montana Residents, 2006	06-68
	Frequency of Induced Abortion by Number of Previous Induced Abortions and Number of Previous Pregnancies - Montana Occurrences, 2006	
A-1		06-70
	Frequency of Induced Abortion by Age of Patient - Montana Occurrences, 2006	
A-2		06-71
	Frequency of Induced Abortion by Completed Weeks of Gestation and by Primary Procedure - Montana Occurrences, 2006	
A-3		06-72
	Frequency of Induced Abortion by County of Residence and County of Occurrence - Montana, 2006	
A-4		06-73
	Frequency and Percent Distribution of Marriages by Month of Occurrence - Montana Occurrences, 2006.	
M-1		06-74
	Frequency of Marriage by Previous Marital Status and Age of Bride and by Previous Marital Status and Age of Groom - Montana Occurrences, 2006 . .	
M-2		06-75
	Frequency of First Marriage by Age of Bride and Age of Groom - Montana Occurrences, 2006	
M-3		06-76
	Median Ages of Brides and Grooms - Montana Occurrences, 1995-2006.	
M-4		06-77
	Montana Department of Public Health and Human Services Communicable Disease Program - Communicable Diseases Summary for 2006.	
R-1		06-78

<u>TABLE</u>	<u>CONTENTS</u>	<u>PAGE</u>
R-2	Sexually Transmitted Diseases by County - 2006 Summary.	06-79
R-3	Montana Department of Public Health and Human Services Communicable Disease Program - Other Diseases of Interest - 2006 Summary	06-80
C-1	Reported Neoplasms by Anatomical Site and Sex - Montana Residents, 1997-2006 Diagnoses	06-82
C-2	Most Frequently Reported Neoplasms by Site, Sex, and Age - Montana Residents, 1997-2006 Diagnoses.	06-83
C-3	Most Frequently Reported Neoplasms by Site, Sex, and County of Residence - Montana Residents, 1997-2006 Diagnoses	06-84

TABLE S-1

**FREQUENCY AND RATE OR RATIO OF
DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL* DEATH BY YEAR**
MONTANA, 1910-2006***

YEAR	ESTIMATED MIDYEAR POPULATION	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS*	
		NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATIO++	NUMBER	RATE++	NUMBER	RATE***
1910	376,053	3,999	10.6	6,124	16.3	NA	NA	714	116.6	62	1,012.4
1915	468,067	5,072	10.8	11,132	23.8	NA	NA	816	73.3	91	817.5
1920	548,339	5,289	9.6	11,862	21.6	NA	NA	862	72.7	104	876.7
1925	542,834	5,188	9.6	10,302	19.0	343	33.3	726	70.5	83	805.7
1930	537,606	5,435	10.1	10,004	18.6	286	28.6	569	56.9	67	669.7
1935	549,077	6,291	11.5	10,029	18.3	232	23.1	602	60.0	52	518.5
1940	559,456	5,722	10.2	11,468	20.5	216	18.8	527	46.0	39	340.1
1945	504,600	5,414	10.7	10,601	21.0	184	17.4	363	34.2	17	160.4
1946	521,900	5,595	10.7	12,858	24.6	224	17.4	448	34.8	18	140.0
1947	539,200	5,760	10.7	15,086	28.0	238	15.8	484	32.1	16	106.1
1948	556,500	5,884	10.6	15,035	27.0	236	15.7	461	30.7	14	93.1
1949	573,800	5,878	10.2	15,366	26.8	231	15.0	457	29.7	14	91.1
1950	591,024	5,817	9.8	15,592	26.4	233	14.9	441	28.3	20	128.3
1951	596,000	5,964	10.0	15,929	26.7	248	15.6	425	26.7	10	62.8
1952	602,000	5,974	9.9	16,479	27.4	253	15.4	448	27.2	8	48.5
1953	616,000	6,125	9.9	16,596	26.9	232	14.0	480	28.9	3	18.1
1954	624,000	6,030	9.7	17,276	27.7	247	14.3	398	23.0	5	28.9
1955	636,000	6,115	9.6	17,454	27.4	221	12.7	433	24.8	5	28.6
1956	656,000	6,450	9.8	17,703	27.0	239	13.5	495	28.0	2	11.3
1957	667,000	6,486	9.7	18,219	27.3	224	12.3	462	25.4	5	27.4
1958	666,000	6,265	9.4	17,275	25.9	233	13.5	444	25.7	3	17.4
1959	669,000	6,570	9.8	17,646	26.4	223	12.6	431	24.4	3	17.0
1960	674,767	6,525	9.7	17,448	25.9	190	10.9	435	24.9	5	28.7
1961	682,000	6,338	9.3	17,368	25.5	194	11.2	441	25.4	2	11.5
1962	709,000	6,418	9.1	16,818	23.7	210	12.5	436	25.9	7	41.6
1963	707,000	6,609	9.3	15,934	22.5	194	12.2	383	24.0	2	12.6
1964	705,000	6,851	9.7	15,094	21.4	200	13.3	403	26.7	7	46.4
1965	706,000	6,578	9.3	13,641	19.3	177	13.0	338	24.8	2	14.7
1966	702,000	6,864	9.8	12,623	18.0	140	11.1	286	22.7	3	23.8
1967	701,000	6,549	9.3	12,087	17.2	141	11.7	290	24.0	3	24.8
1968	693,000	6,534	9.4	11,992	17.3	146	12.2	233	19.4	1	8.3
1969	694,000	6,694	9.6	11,762	16.9	132	11.2	246	20.9	1	8.5
1970	694,409	6,597	9.5	12,622	18.2	140	11.1	272	21.5	3	23.8
1971	710,000	6,860	9.7	12,347	17.4	127	10.3	267	21.6	-	--
1972	719,000	6,896	9.6	11,444	15.9	129	11.3	225	19.7	4	35.0
1973	721,000	6,870	9.5	11,392	15.8	105	9.2	222	19.5	-	--
1974	735,000	6,552	8.9	12,273	16.7	125	10.2	202	16.5	1	8.1
1975	748,000	6,539	8.7	12,070	16.1	112	9.3	187	15.5	3	24.9
1976	753,000	6,733	8.9	12,605	16.7	104	8.3	209	16.6	-	--
1977	761,000	6,397	8.4	13,304	17.5	119	8.9	183	13.8	1	7.5
1978	785,000	6,484	8.3	13,545	17.3	110	8.1	155	11.4	3	22.1
1979	786,000	6,471	8.2	14,057	17.9	116	8.3	151	10.7	4	28.5
1980	786,690	6,664	8.5	14,208	18.1	104	7.3	176	12.4	2	14.1
1981	793,000	6,709	8.5	14,309	18.0	85	5.9	153	10.7	-	--
1982	801,000	6,625	8.3	14,538	18.1	93	6.4	147	10.1	1	6.9
1983	817,000	6,699	8.2	14,054	17.2	91	6.5	126	9.0	4	28.5
1984	824,000	6,698	8.1	14,141	17.2	110	7.8	125	8.8	1	7.1
1985	826,000	6,725	8.1	13,497	16.3	96	7.1	139	10.3	-	--
1986	819,000	6,738	8.2	12,728	15.5	95	7.5	122	9.6	2	15.7
1987	809,000	6,597	8.2	12,239	15.1	96	7.8	121	9.9	-	--
1988	805,000	6,759	8.4	11,682	14.5	92	7.9	100	8.6	1	8.6
1989	805,600	6,735	8.4	11,667	14.5	86	7.4	133	11.4	-	--
1990	800,204	6,835	8.5	11,602	14.5	78	6.7	106	9.1	-	--
1991	809,680	6,995	8.6	11,498	14.2	90	7.8	82	7.1	1	8.7
1992	825,770	7,067	8.6	11,468	13.9	84	7.3	85	7.4	-	--
1993	844,761	7,457	8.8	11,362	13.4	74	6.5	84	7.4	-	--
1994	861,306	7,331	8.5	11,062	12.8	52	4.7	82	7.4	-	--
1995	876,553	7,614	8.7	11,136	12.7	67	6.0	79	7.1	-	--
1996	886,256	7,686	8.7	10,840	12.2	58	5.4	75	6.9	1	9.2
1997	889,867	7,730	8.7	10,840	12.2	49	4.5	73	6.7	-	--
1998	892,431	7,960	8.9	10,791	12.1	76	7.0	82	7.6	1	9.3
1999	897,511	8,082	9.0	10,779	12.0	62	5.8	71	6.6	-	--
2000	903,531	8,071	8.9	10,946	12.1	55	5.0	63	5.8	2	18.3
2001	906,148	8,252	9.1	10,947	12.1	43	3.9	73	6.7	2	18.3
2002	910,357	8,473	9.3	11,045	12.1	51	4.6	81	7.3	-	--
2003	917,193	8,445	9.2	11,384	12.4	55	4.8	77	6.8	2	17.6
2004	926,345	8,083	8.7	11,514	12.4	40	3.5	53	4.6	2	17.4
2005	934,737	8,497	9.1	11,573	12.4	54	4.7	81	7.0	1	8.6
2006	944,632	8,435	8.9	12,499	13.2	49	3.9	70	5.6	-	--

* A "MATERNAL DEATH" IS THE DEATH OF A FEMALE WHILE PREGNANT OR WITHIN 42 DAYS OF TERMINATION OF PREGNANCY, IRRESPECTIVE OF THE DURATION AND SITE OF PREGNANCY, FROM ANY CAUSE RELATED TO OR AGGRAVATED BY THE PREGNANCY OR ITS MANAGEMENT, BUT NOT FROM ACCIDENT OR INCIDENTAL CAUSES. MATERNAL CONDITIONS ARE THOSE ASSIGNED TO PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM (ICD-10 CODES A34, O00-O95, AND O98-O99). THE FREQUENCIES SHOWN IN THIS TABLE SPECIFICALLY EXCLUDE "LATE MATERNAL DEATHS," WHICH ARE THOSE ATTRIBUTABLE TO THE SAME CAUSES BUT OCCURRING MORE THAN 42 DAYS AFTER TERMINATION OF THE PREGNANCY. THE 2003 REVISION OF THE MONTANA DEATH CERTIFICATE ADDED A PREGNANCY HISTORY ITEM WHICH INDICATES WHETHER THE DECEDENT WAS PREGNANT WITHIN THE 12 MONTHS PRIOR TO DEATH. THIS NEW ITEM MAKES THE IDENTIFICATION OF A GREATER NUMBER OF MATERNAL DEATHS POSSIBLE.

** DATA FOR 1910-1945 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE

+ PER 1,000 ESTIMATED MIDYEAR POPULATION.

++ PER 1,000 LIVE BIRTHS.

*** PER 100,000 LIVE BIRTHS.

TABLE S-2

**FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL, INFANT, AND MATERNAL DEATH
BY COUNTY OF OCCURRENCE AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	DEATHS		LIVE BIRTHS		FETAL DEATHS		INFANT DEATHS		MATERNAL DEATHS	
	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.	OCC.	RES.
MONTANA, TOTAL	8,485	8,435	12,488	12,499	49	49	64	70	-	-
BEAVERHEAD	77	84	83	88	1	1	1	1	-	-
BIG HORN	87	128	232	289	-	3	1	2	-	-
BLAINE	42	64	1	120	-	-	1	1	-	-
BROADWATER	44	64	1	41	-	-	-	1	-	-
CARBON	74	91	1	96	-	1	-	-	-	-
CARTER	9	12	-	5	-	-	-	-	-	-
CASCADE	839	733	1,432	1,167	4	2	10	5	-	-
CHOUTEAU	44	55	1	39	-	-	-	1	-	-
CUSTER	147	140	279	164	1	1	1	2	-	-
DANIELS	15	15	-	9	-	-	-	-	-	-
DAWSON	88	90	99	102	-	-	-	-	-	-
DEER LODGE	91	110	40	77	-	-	-	-	-	-
FALLON	30	36	-	52	-	-	-	-	-	-
FERGUS	129	134	105	106	-	-	1	1	-	-
FLATHEAD	798	738	1,253	1,188	5	5	4	4	-	-
GALLATIN	426	431	1,212	1,214	5	5	4	7	-	-
GARFIELD	9	11	-	19	-	-	-	-	-	-
GLACIER	98	131	223	246	-	1	-	1	-	-
GOLDEN VALLEY	2	4	1	7	-	-	-	-	-	-
GRANITE	19	22	-	24	-	-	1	2	-	-
HILL	140	151	407	299	1	1	3	3	-	-
JEFFERSON	50	85	3	115	-	1	-	-	-	-
JUDITH BASIN	10	20	-	14	-	-	-	-	-	-
LAKE	213	262	344	444	1	2	-	2	-	-
LEWIS & CLARK	521	487	886	787	1	-	3	6	-	-
LIBERTY	24	25	6	12	-	-	-	-	-	-
LINCOLN	180	221	96	183	1	1	-	-	-	-
MCCONE	8	17	-	14	-	-	-	-	-	-
MADISON	68	71	-	56	-	-	-	-	-	-
MEAGHER	19	20	1	26	-	-	-	-	-	-
MINERAL	44	47	1	51	-	1	1	1	-	-
MISSOULA	873	676	1,731	1,229	8	6	9	4	-	-
MUSSELSHELL	35	53	1	41	-	-	-	1	-	-
PARK	139	143	160	153	1	1	-	-	-	-
PETROLEUM	2	4	-	6	-	-	-	-	-	-
PHILLIPS	31	42	-	41	1	1	-	-	-	-
PONDERA	51	65	55	80	2	2	-	2	-	-
POWDER RIVER	18	20	-	9	-	-	-	-	-	-
POWELL	50	67	13	55	-	-	-	-	-	-
PRAIRIE	9	13	-	7	-	-	-	-	-	-
RAVALLI	288	358	212	427	-	-	1	3	-	-
RICHLAND	87	94	104	99	3	3	-	1	-	-
ROOSEVELT	90	117	97	239	1	2	-	3	-	-
ROSEBUD	55	71	10	164	-	2	-	1	-	-
SANDERS	95	115	52	109	-	-	1	1	-	-
SHERIDAN	61	69	18	23	-	-	-	-	-	-
SILVER BOW	433	423	500	417	1	1	-	1	-	-
STILLWATER	54	75	2	101	-	1	-	1	-	-
SWEET GRASS	41	44	-	39	-	-	-	-	-	-
TETON	36	44	2	64	-	-	-	1	-	-
TOOLE	55	61	16	45	-	1	-	-	-	-
TREASURE	2	6	-	5	-	-	-	-	-	-
VALLEY	84	92	171	82	1	-	1	-	-	-
WHEATLAND	19	19	-	19	-	-	-	-	-	-
WIBAUX	17	20	-	9	-	-	-	-	-	-
YELLOWSTONE	1,515	1,245	2,629	1,981	11	4	21	11	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	8	1	-	-	-	-	-	-

TABLE S-3

**FREQUENCY OF DEATH, LIVE BIRTH, AND FETAL DEATH BY RACE* AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	DEATHS				LIVE BIRTHS				FETAL DEATHS			
	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER	TOTAL	WHITE	NATIVE AMERICAN	OTHER
MONTANA, TOTAL	8,435	7,874	476	85	12,499	10,582	1,601	316	49	40	8	1
BEAVERHEAD	84	84	-	-	88	87	1	-	1	1	-	-
BIG HORN	128	50	75	3	289	47	236	6	3	1	2	-
BLAINE	64	40	24	-	120	46	74	-	-	-	-	-
BROADWATER	64	61	3	-	41	39	2	-	-	-	-	-
CARBON	91	89	1	1	96	94	1	1	1	1	-	-
CARTER	12	12	-	-	5	5	-	-	-	-	-	-
CASCADE	733	693	28	12	1,167	1,007	91	69	2	1	1	-
CHOUTEAU	55	52	2	1	39	39	-	-	-	-	-	-
CUSTER	140	140	-	-	164	153	9	2	1	1	-	-
DANIELS	15	15	-	-	9	8	-	1	-	-	-	-
DAWSON	90	90	-	-	102	101	1	-	-	-	-	-
DEER LODGE	110	110	-	-	77	75	1	1	-	-	-	-
FALLON	36	35	-	1	52	52	-	-	-	-	-	-
FERGUS	134	132	2	-	106	101	3	2	-	-	-	-
FLATHEAD	738	726	12	-	1,188	1,154	19	15	5	5	-	-
GALLATIN	431	425	-	6	1,214	1,161	21	32	5	5	-	-
GARFIELD	11	11	-	-	19	19	-	-	-	-	-	-
GLACIER	131	54	76	1	246	56	187	3	1	-	1	-
GOLDEN VALLEY	4	4	-	-	7	7	-	-	-	-	-	-
GRANITE	22	22	-	-	24	22	-	2	-	-	-	-
HILL	151	124	27	-	299	154	143	2	1	1	-	-
JEFFERSON	85	82	3	-	115	109	2	4	1	1	-	-
JUDITH BASIN	20	20	-	-	14	14	-	-	-	-	-	-
LAKE	262	197	61	4	444	259	172	13	2	1	1	-
LEWIS & CLARK	487	473	13	1	787	744	27	16	-	-	-	-
LIBERTY	25	25	-	-	12	12	-	-	-	-	-	-
LINCOLN	221	218	2	1	183	179	1	3	1	1	-	-
MCCONE	17	17	-	-	14	14	-	-	-	-	-	-
MADISON	71	70	1	-	56	54	1	1	-	-	-	-
MEAGHER	20	20	-	-	26	25	-	1	-	-	-	-
MINERAL	47	47	-	-	51	50	1	-	1	1	-	-
MISSOULA	676	654	13	9	1,229	1,123	61	45	6	5	-	1
MUSSELSHELL	53	52	1	-	41	36	4	1	-	-	-	-
PARK	143	137	4	2	153	149	2	2	1	1	-	-
PETROLEUM	4	2	2	-	6	6	-	-	-	-	-	-
PHILLIPS	42	39	3	-	41	33	7	1	1	1	-	-
PONDERA	65	55	10	-	80	55	25	-	2	2	-	-
POWDER RIVER	20	20	-	-	9	9	-	-	-	-	-	-
POWELL	67	65	2	-	55	53	1	1	-	-	-	-
PRAIRIE	13	13	-	-	7	7	-	-	-	-	-	-
RAVALLI	358	353	1	4	427	415	7	5	-	-	-	-
RICHLAND	94	94	-	-	99	94	3	2	3	3	-	-
ROOSEVELT	117	69	47	1	239	48	189	2	2	1	1	-
ROSEBUD	71	43	26	2	164	47	113	4	2	1	1	-
SANDERS	115	114	1	-	109	102	5	2	-	-	-	-
SHERIDAN	69	69	-	-	23	19	2	2	-	-	-	-
SILVER BOW	423	416	5	2	417	385	11	21	1	1	-	-
STILLWATER	75	74	1	-	101	98	-	3	1	1	-	-
SWEET GRASS	44	43	-	1	39	39	-	-	-	-	-	-
TETON	44	43	1	-	64	63	-	1	-	-	-	-
TOOLE	61	60	1	-	45	39	4	2	1	1	-	-
TREASURE	6	6	-	-	5	5	-	-	-	-	-	-
VALLEY	92	83	9	-	82	64	17	1	-	-	-	-
WHEATLAND	19	19	-	-	19	19	-	-	-	-	-	-
WIBAUX	20	20	-	-	9	9	-	-	-	-	-	-
YELLOWSTONE	1,245	1,193	19	33	1,981	1,778	157	46	4	3	1	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	1	-	-	1	-	-	-	-

* MULTIPLE RACES MAY BE REPORTED FOR DECEDENTS. WHEN TWO OR MORE RACES ARE REPORTED, ONE OF THE REPORTED RACES IS ASSIGNED AS A "MAIN" RACE BY A PROBABILISTIC MODEL DEVELOPED BY THE NATIONAL CENTER FOR HEALTH STATISTICS (NCHS). SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY THE RACE OF THE MOTHER.

TABLE S-4

FREQUENCY OF FETAL, INFANT, AND CHILD* DEATH BY RACE**
AND COUNTY OF RESIDENCE
MONTANA, 2006

COUNTY	FETAL DEATHS				INFANT DEATHS				CHILD** DEATHS			
	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES	ALL RACES	WHITE	NATIVE AMERICAN	OTHER RACES
MONTANA	49	40	8	1	70	48	19	3	67	54	11	2
BEAVERHEAD	1	1	-	-	1	1	-	-	-	-	-	-
BIG HORN	3	1	2	-	2	-	2	-	3	-	3	-
BLAINE	-	-	-	-	1	1	-	-	-	-	-	-
BROADWATER	-	-	-	-	1	1	-	-	-	-	-	-
CARBON	1	1	-	-	-	-	-	-	1	1	-	-
CARTER	-	-	-	-	-	-	-	-	-	-	-	-
CASCADE	2	1	1	-	5	2	3	-	7	7	-	-
CHOUTEAU	-	-	-	-	1	-	1	-	-	-	-	-
CUSTER	1	1	-	-	2	2	-	-	2	2	-	-
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-
DEER LODGE	-	-	-	-	-	-	-	-	-	-	-	-
FALLON	-	-	-	-	-	-	-	-	1	1	-	-
FERGUS	-	-	-	-	1	1	-	-	-	-	-	-
FLATHEAD	5	5	-	-	4	4	-	-	6	6	-	-
GALLATIN	5	5	-	-	7	7	-	-	3	3	-	-
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-
GLACIER	1	-	1	-	1	-	1	-	6	1	5	-
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-
GRANITE	-	-	-	-	2	2	-	-	-	-	-	-
HILL	1	1	-	-	3	-	3	-	1	-	1	-
JEFFERSON	1	1	-	-	-	-	-	-	3	3	-	-
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-
LAKE	2	1	1	-	2	1	1	-	1	-	1	-
LEWIS & CLARK	-	-	-	-	6	6	-	-	2	2	-	-
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-
LINCOLN	1	1	-	-	-	-	-	-	1	1	-	-
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-	-	1	1	-	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-
MINERAL	1	1	-	-	1	1	-	-	-	-	-	-
MISSOULA	6	5	-	1	4	3	-	1	7	7	-	-
MUSSELSHELL	-	-	-	-	1	1	-	-	-	-	-	-
PARK	1	1	-	-	-	-	-	-	1	1	-	-
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS	1	1	-	-	-	-	-	-	-	-	-	-
PONDERA	2	2	-	-	2	1	1	-	1	1	-	-
POWDER RIVER	-	-	-	-	-	-	-	-	1	1	-	-
POWELL	-	-	-	-	-	-	-	-	-	-	-	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-
RAVALLI	-	-	-	-	3	3	-	-	2	2	-	-
RICHLAND	3	3	-	-	1	1	-	-	-	-	-	-
ROOSEVELT	2	1	1	-	3	-	3	-	2	1	1	-
ROSEBUD	2	1	1	-	1	-	1	-	-	-	-	-
SANDERS	-	-	-	-	1	1	-	-	1	1	-	-
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW	1	1	-	-	1	1	-	-	2	2	-	-
STILLWATER	1	1	-	-	1	1	-	-	-	-	-	-
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-
TETON	-	-	-	-	1	1	-	-	1	-	-	1
TOOLE	1	1	-	-	-	-	-	-	-	-	-	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY	-	-	-	-	-	-	-	-	2	2	-	-
WHEATLAND	-	-	-	-	-	-	-	-	1	1	-	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-
YELLOWSTONE	4	3	1	-	11	6	3	2	8	7	-	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-

* AGED 1-17 YEARS.

** MULTIPLE RACES MAY BE REPORTED FOR DECEDENTS. WHEN TWO OR MORE RACES ARE REPORTED, ONE OF THE REPORTED RACES IS ASSIGNED AS A "MAIN" RACE BY A PROBABLISTIC MODEL DEVELOPED BY THE NATIONAL CENTER FOR HEALTH STATISTICS (NCHS). SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY THE RACE OF THE MOTHER.

TABLE S-5

**FREQUENCY AND RATE OF MARRIAGE AND MARITAL TERMINATION* BY YEAR
MONTANA OCCURENCES, 1949 - 2006**

YEAR	MARRIAGES		MARITAL TERMINATIONS*	
	NUMBER	RATE**	NUMBER	RATE**
1949	6,981	11.9	1,995	3.4
1950	7,235	12.2	1,951	3.3
1951	6,307	10.6	1,837	3.1
1952	6,410	10.6	1,989	3.3
1953	6,597	10.7	1,986	3.2
1954	6,575	10.5	1,966	3.2
1955	6,514	10.2	1,909	3.0
1956	6,770	10.3	1,985	3.0
1957	6,495	9.7	2,004	3.0
1958	6,142	9.2	2,023	3.0
1959	6,228	9.3	2,062	3.1
1960	5,883	8.7	2,003	3.0
1961	5,636	8.3	2,034	3.0
1962	5,051	7.1	1,932	2.7
1963	4,854	6.9	1,909	2.7
1964	4,556	6.5	1,981	2.8
1965	4,688	6.6	2,002	2.8
1966	4,914	7.0	2,087	3.0
1967	5,563	7.9	2,361	3.4
1968	6,250	9.0	2,592	3.7
1969	6,444	9.3	2,806	4.0
1970	6,919	10.0	3,051	4.4
1971	7,128	10.0	3,366	4.7
1972	7,674	10.7	3,609	5.0
1973	7,751	10.8	3,772	5.2
1974	7,741	10.5	3,940	5.4
1975	7,331	9.8	4,286	5.7
1976	7,390	9.8	4,850	6.4
1977	7,547	9.9	4,813	6.3
1978	8,136	10.4	4,877	6.2
1979	8,195	10.4	5,106	6.5
1980	8,336	10.6	4,940	6.3
1981	8,209	10.4	5,004	6.3
1982	8,185	10.2	4,612	5.8
1983	8,092	9.9	4,644	5.7
1984	7,659	9.3	4,355	5.3
1985	7,178	8.7	4,258	5.2
1986	6,739	8.2	4,307	5.3
1987	6,540	8.1	4,116	5.1
1988	6,784	8.4	4,063	5.0
1989	6,765	8.4	4,104	5.1
1990	6,924	8.7	4,049	5.1
1991	6,984	8.6	4,443	5.5
1992	7,189	8.7	4,223	5.1
1993	7,041	8.3	4,311	5.1
1994	7,088	8.2	4,196	4.9
1995	6,818	7.8	4,214	4.8
1996	6,609	7.5	4,238	4.8
1997	6,708	7.5	4,058	4.6
1998*	6,436	7.2	3,698	4.1
1999*	6,785	7.6	3,318	3.7
2000*	6,870	7.6	3,694	4.1
2001*	6,612	7.3	3,735	4.1
2002*	6,514	7.2	3,634	4.0
2003*	6,640	7.2	3,255	3.5
2004*	6,946	7.5	3,516	3.8
2005*	6,964	7.5	3,983	4.3
2006*	7,055	7.5	4,176	4.4

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

** PER 1,000 ESTIMATED MIDYEAR POPULATION.

TABLE S-6

**FREQUENCY OF LICENSES ISSUED AND
MARRIAGES SOLEMNIZED
BY COUNTY OF OCCURRENCE - MONTANA, 2006**

COUNTY	LICENSES ISSUED	MARRIAGES SOLEMNIZED	MARITAL TERMINATIONS*
MONTANA, TOTAL	7,055	7,055	4,176
BEAVERHEAD	54	58	34
BIG HORN	82	85	41
BLAINE	19	28	10
BROADWATER	32	43	16
CARBON	108	175	20
CARTER	4	7	3
CASCADE	609	596	469
CHOUTEAU	34	42	11
CUSTER	79	78	41
DANIELS	8	7	6
DAWSON	55	57	16
DEER LODGE	50	63	41
FALLON	19	22	6
FERGUS	98	105	48
FLATHEAD	951	919	271
GALLATIN	856	772	272
GARFIELD	8	11	4
GLACIER	67	80	44
GOLDEN VALLEY	-	4	2
GRANITE	15	19	13
HILL	115	113	58
JEFFERSON	31	54	18
JUDITH BASIN	8	11	4
LAKE	141	197	155
LEWIS & CLARK	444	400	396
LIBERTY	5	5	3
LINCOLN	108	143	71
MCCONE	4	4	-
MADISON	52	73	29
MEAGHER	11	10	6
MINERAL	30	34	14
MISSOULA	838	716	537
MUSSELSHELL	24	23	16
PARK	154	193	90
PETROLEUM	2	2	-
PHILLIPS	21	24	11
PONDERA	37	38	20
POWDER RIVER	9	7	5
POWELL	30	35	15
PRAIRIE	5	6	3
RAVALLI	202	243	183
RICHLAND	71	63	42
ROOSEVELT	56	61	14
ROSEBUD	30	28	28
SANDERS	58	66	38
SHERIDAN	18	18	9
SILVER BOW	220	212	253
STILLWATER	65	59	26
SWEET GRASS	27	29	16
TETON	37	34	8
TOOLE	42	38	23
TREASURE	1	2	5
VALLEY	42	48	17
WHEATLAND	9	9	2
WIBAUX	5	9	-
YELLOWSTONE	955	876	693
YELLOWSTONE PARK	-	-	-
NOT STATED	-	1	-

* DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER OF 1998 AND BY THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		BEAVERHEAD		BIG HORN		BLAINE		BROADWATER		CARBON		CARTER		CASCADE	
	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO	NUMBER	RATE OR RATIO
POPULATION	944,632		8,743		13,035		6,615		4,572		9,903		1,321		79,385	
RESIDENCE																
NATURAL INCREASE	4,064	4.3	4	0.5	161	12.3	56	8.4	(23)	-5.1	5	0.5	(7)	-5.3	434	5.5
LIVE BIRTHS, TOTAL	12,499	13.2	88	10.1	289	22.2	120	18.1	41	9.0	96	9.7	5	3.8	1,167	14.7
SEX-MALE	6,444	13.6	41	---	167	---	56	---	20	---	48	---	3	---	590	---
FEMALE	6,055	12.8	47	---	122	---	64	---	21	---	48	---	2	---	577	---
OUT-OF-WEDLOCK	4,489	359.1	17	193.2	193	667.8	75	625.0	17	414.6	26	270.8	1	200.0	409	350.5
DEATHS (EXCLUDING FETALS), TOTAL	8,435	8.9	84	9.6	128	9.8	64	9.7	64	14.0	91	9.2	12	9.1	733	9.2
SEX-MALE	4,273	9.0	35	---	56	---	32	---	33	---	49	---	6	---	368	---
FEMALE	4,162	8.8	49	---	72	---	32	---	31	---	42	---	6	---	365	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	70	5.6	1	11.4	2	6.9	1	8.3	1	24.4	-	-	-	-	5	4.3
NEONATAL (UNDER 28 DAYS)	31	2.5	-	-	1	3.5	-	-	1	24.4	-	-	-	-	2	1.7
POSTNEONATAL (28 DAYS-1 YEAR)	39	3.1	1	11.4	1	3.5	1	8.3	-	-	-	-	-	-	3	2.6
FETAL DEATHS	49	3.9	1	11.4	3	10.4	-	-	-	-	1	10.4	-	-	2	1.7
PERINATAL DEATHS	80	6.4	1	11.4	4	13.8	-	-	1	24.4	1	10.4	-	-	4	3.4
LEADING CAUSES OF DEATH **																
CANCER	1,940	205.4	14	160.1	20	153.4	15	226.8	22	481.2	23	232.3	1	75.7	159	200.3
HEART DISEASE	1,857	196.6	20	228.8	30	230.1	6	90.7	9	196.9	20	202.0	6	454.2	152	191.5
CHRON. LOWER RESP. DISEASES	576	61.0	9	102.9	5	38.4	4	60.5	7	153.1	2	20.2	2	151.4	63	79.4
ACCIDENTS	547	57.9	8	91.5	19	145.8	6	90.7	5	109.4	4	40.4	1	75.7	34	42.8
CEREBROVASCULAR DISEASE	458	48.5	4	45.8	8	61.4	6	90.7	5	109.4	2	20.2	1	75.7	32	40.3
DIABETES	251	26.6	2	22.9	6	46.0	6	90.7	1	21.9	2	20.2	-	-	23	29.0
ALZHEIMER'S DISEASE	226	23.9	1	11.4	3	23.0	1	15.1	1	21.9	6	60.6	-	-	30	37.8
SUICIDE	187	19.8	1	11.4	-	-	-	-	-	-	4	40.4	-	-	18	22.7
PNEUMONIA AND INFLUENZA	170	18.0	3	34.3	5	38.4	1	15.1	2	43.7	-	-	-	-	13	16.4
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	132	14.0	3	34.3	-	-	5	75.6	1	21.9	1	10.1	-	-	8	10.1
OCCURRENCE																
LIVE BIRTHS, TOTAL	12,488	13.2	83	9.5	232	17.8	1	0.2	1	0.2	1	0.1	-	-	1,432	18.0
DEATHS (EXCLUDING FETAL), TOTAL	8,485	9.0	77	8.8	87	6.7	42	6.3	44	9.6	74	7.5	9	6.8	839	10.6
INFANT (UNDER 1 YEAR)	64	5.1	1	12.0	1	4.3	1	1000.0	-	-	-	-	-	-	10	7.0
ACCIDENTAL	590	0.6	7	0.8	15	1.2	6	0.9	4	0.9	3	0.3	-	-	39	0.5
MOTOR VEHICLE	292	0.3	4	0.5	9	0.7	3	0.5	3	0.7	1	0.1	-	-	16	0.2
OTHER ACCIDENTAL	298	0.3	3	0.3	6	0.5	3	0.5	1	0.2	2	0.2	-	-	23	0.3
MARRIAGES SOLUMNIZED	7,055	7.5	58	6.6	85	6.5	28	4.2	43	9.4	175	17.7	7	5.3	596	7.5
MARITAL TERMINATIONS#	4,176	4.4	34	3.9	41	3.1	10	1.5	16	3.5	20	2.0	3	2.3	469	5.9

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		CHOUTEAU		CUSTER		DANIELS		DAWSON		DEER LODGE		FALLON		FERGUS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		5,417		11,151		1,774		8,624		8,888		2,717		11,496	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	(16)	-2.9	24	2.1	(6)	-3.3	12	1.4	(33)	-3.7	16	5.9	(28)	-2.4
LIVE BIRTHS, TOTAL.....	12,499	13.2	39	7.2	164	14.7	9	5.1	102	11.8	77	8.7	52	19.1	106	9.2
SEX-MALE.....	6,444	13.6	22	---	94	---	5	---	50	---	47	---	24	---	49	---
FEMALE.....	6,055	12.8	17	---	70	---	4	---	52	---	30	---	28	---	57	---
OUT-OF-WEDLOCK.....	4,489	359.1	11	282.1	72	439.0	2	222.2	28	274.5	34	441.6	12	230.8	33	311.3
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	55	10.2	140	12.6	15	8.5	90	10.4	110	12.4	36	13.2	134	11.7
SEX-MALE.....	4,273	9.0	28	---	65	---	6	---	51	---	59	---	16	---	55	---
FEMALE.....	4,162	8.8	27	---	75	---	9	---	39	---	51	---	20	---	79	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	1	25.6	2	12.2	-	-	-	-	-	-	-	-	1	9.4
NEONATAL (UNDER 28 DAYS).....	31	2.5	1	25.6	1	6.1	-	-	-	-	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	-	-	1	6.1	-	-	-	-	-	-	-	-	1	9.4
FETAL DEATHS.....	49	3.9	-	-	1	6.1	-	-	-	-	-	-	-	-	-	-
PERINATAL DEATHS.....	80	6.4	1	25.6	2	12.2	-	-	-	-	-	-	-	-	-	-
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	11	203.1	28	251.1	4	225.5	17	197.1	23	258.8	13	478.5	28	243.6
HEART DISEASE.....	1,857	196.6	17	313.8	30	269.0	1	56.4	22	255.1	27	303.8	5	184.0	39	339.2
CHRON. LOWER RESP. DISEASES.....	576	61.0	7	129.2	11	98.6	-	-	11	127.6	5	56.3	1	36.8	10	87.0
ACCIDENTS.....	547	57.9	1	18.5	14	125.5	-	-	4	46.4	9	101.3	3	110.4	5	43.5
CEREBROVASCULAR DISEASE.....	458	48.5	4	73.8	6	53.8	1	56.4	4	46.4	3	33.8	1	36.8	6	52.2
DIABETES.....	251	26.6	3	55.4	8	71.7	2	112.7	7	81.2	3	33.8	2	73.6	1	8.7
ALZHEIMER'S DISEASE.....	226	23.9	1	18.5	6	53.8	-	-	3	34.8	1	11.3	1	36.8	4	34.8
SUICIDE.....	187	19.8	2	36.9	1	9.0	-	-	1	11.6	6	67.5	-	-	2	17.4
PNEUMONIA AND INFLUENZA.....	170	18.0	2	36.9	2	17.9	-	-	3	34.8	10	112.5	-	-	3	26.1
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	1	18.5	5	44.8	-	-	-	-	2	22.5	1	36.8	2	17.4
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	1	0.2	279	25.0	-	-	99	11.5	40	4.5	-	-	105	9.1
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	44	8.1	147	13.2	15	8.5	88	10.2	91	10.2	30	11.0	129	11.2
INFANT (UNDER 1 YEAR).....	64	5.1	-	-	1	3.6	-	-	-	-	-	-	-	-	1	9.5
ACCIDENTAL.....	590	0.6	2	0.4	13	1.2	1	0.6	2	0.2	6	0.7	1	0.4	3	0.3
MOTOR VEHICLE.....	292	0.3	2	0.4	1	0.1	-	-	-	-	3	0.3	-	-	3	0.3
OTHER ACCIDENTAL.....	298	0.3	-	-	12	1.1	1	0.6	2	0.2	3	0.3	1	0.4	-	-
MARRIAGES SOLUMNIZED.....	7,055	7.5	42	7.8	78	7.0	7	3.9	57	6.6	63	7.1	22	8.1	105	9.1
MARITAL TERMINATIONS#.....	4,176	4.4	11	2.0	41	3.7	6	3.4	16	1.9	41	4.6	6	2.2	48	4.2

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		FLATHEAD		GALLATIN		GARFIELD		GLACIER		GOLDEN VALLEY		GRANITE		HILL	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		85,314		80,921		1,244		13,578		1,150		2,909		16,403	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	450	5.4	783	10.0	8	6.6	115	8.5	3	2.6	2	0.7	148	9.1
LIVE BIRTHS, TOTAL.....	12,499	13.2	1,188	13.9	1,214	15.0	19	15.3	246	18.1	7	6.1	24	8.3	299	18.2
SEX-MALE.....	6,444	13.6	641	---	598	---	10	---	115	---	1	---	10	---	161	---
FEMALE.....	6,055	12.8	547	---	616	---	9	---	131	---	6	---	14	---	138	---
OUT-OF-WEDLOCK.....	4,489	359.1	351	295.5	261	215.0	2	105.3	177	719.5	2	285.7	5	208.3	170	568.6
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	738	8.7	431	5.3	11	8.8	131	9.6	4	3.5	22	7.6	151	9.2
SEX-MALE.....	4,273	9.0	391	---	209	---	6	---	72	---	3	---	12	---	83	---
FEMALE.....	4,162	8.8	347	---	222	---	5	---	59	---	1	---	10	---	68	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	4	3.4	7	5.8	-	-	1	4.1	-	-	2	83.3	3	10.0
NEONATAL (UNDER 28 DAYS).....	31	2.5	3	2.5	4	3.3	-	-	1	4.1	-	-	-	-	2	6.7
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	1	0.8	3	2.5	-	-	-	-	-	-	2	83.3	1	3.3
FETAL DEATHS.....	49	3.9	5	4.2	5	4.1	-	-	1	4.1	-	-	-	-	1	3.3
PERINATAL DEATHS.....	80	6.4	8	6.7	9	7.4	-	-	2	8.1	-	-	-	-	3	10.0
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	148	173.5	92	113.7	5	401.9	26	191.5	-	-	5	171.9	39	237.8
HEART DISEASE.....	1,857	196.6	190	222.7	78	96.4	3	241.2	30	220.9	3	260.9	6	206.3	27	164.6
CHRON. LOWER RESP. DISEASES.....	576	61.0	46	53.9	17	21.0	-	-	7	51.6	-	-	1	34.4	14	85.4
ACCIDENTS.....	547	57.9	68	79.7	35	43.3	1	80.4	12	88.4	-	-	2	68.8	9	54.9
CEREBROVASCULAR DISEASE.....	458	48.5	46	53.9	24	29.7	-	-	8	58.9	-	-	1	34.4	8	48.8
DIABETES.....	251	26.6	16	18.8	10	12.4	-	-	7	51.6	-	-	-	-	4	24.4
ALZHEIMER'S DISEASE.....	226	23.9	12	14.1	6	7.4	-	-	2	14.7	-	-	-	-	4	24.4
SUICIDE.....	187	19.8	20	23.4	18	22.2	-	-	2	14.7	-	-	-	-	-	-
PNEUMONIA AND INFLUENZA.....	170	18.0	15	17.6	7	8.7	-	-	2	14.7	-	-	-	-	6	36.6
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	9	10.5	3	3.7	-	-	3	22.1	-	-	-	-	3	18.3
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	1,253	14.7	1,212	15.0	-	-	223	16.4	1	0.9	-	-	407	24.8
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	798	9.4	426	5.3	9	7.2	98	7.2	2	1.7	19	6.5	140	8.5
INFANT (UNDER 1 YEAR).....	64	5.1	4	3.2	4	3.3	-	-	-	-	-	-	1	-	3	7.4
ACCIDENTAL.....	590	0.6	75	0.9	32	0.4	2	1.6	11	0.8	-	-	1	0.3	7	0.4
MOTOR VEHICLE.....	292	0.3	33	0.4	19	0.2	-	-	6	0.4	-	-	1	0.3	4	0.2
OTHER ACCIDENTAL.....	298	0.3	42	0.5	13	0.2	2	1.6	5	0.4	-	-	-	-	3	0.2
MARRIAGES SOLUMNIZED.....	7,055	7.5	919	10.8	772	9.5	11	8.8	80	5.9	4	3.5	19	6.5	113	6.9
MARITAL TERMINATIONS#.....	4,176	4.4	271	3.2	272	3.4	4	3.2	44	3.2	2	1.7	13	4.5	58	3.5

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		JEFFERSON		JUDITH BASIN		LAKE		LEWIS & CLARK		LIBERTY		LINCOLN		MCCONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		11,256		2,142		28,606		59,302		1,863		19,226		1,760	
RESIDENCE																
NATURAL INCREASE	4,064	4.3	30	2.7	(6)	-2.8	182	6.4	300	5.1	(13)	-6.6	(38)	-2.0	(3)	-1.7
LIVE BIRTHS, TOTAL	12,499	13.2	115	10.2	14	6.5	444	15.5	787	13.3	12	6.4	183	9.5	14	8.0
SEX-MALE	6,444	13.6	60	---	7	---	226	---	409	---	3	---	103	---	6	---
FEMALE	6,055	12.8	55	---	7	---	218	---	378	---	9	---	80	---	8	---
OUT-OF-WEDLOCK	4,489	359.1	33	287.0	5	357.1	215	484.2	246	312.6	-	-	60	327.9	2	142.9
DEATHS (EXCLUDING FETALS), TOTAL	8,435	8.9	85	7.6	20	9.3	262	9.2	487	8.2	25	13.4	221	11.5	17	9.7
SEX-MALE	4,273	9.0	40	---	16	---	136	---	234	---	14	---	123	---	11	---
FEMALE	4,162	8.8	45	---	4	---	126	---	253	---	11	---	98	---	6	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR)	70	5.6	-	-	-	-	2	4.5	6	7.6	-	-	-	-	-	-
NEONATAL (UNDER 28 DAYS)	31	2.5	-	-	-	-	-	-	3	3.8	-	-	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR)	39	3.1	-	-	-	-	2	4.5	3	3.8	-	-	-	-	-	-
FETAL DEATHS	49	3.9	1	8.7	-	-	2	4.5	-	-	-	-	1	5.5	-	-
PERINATAL DEATHS	80	6.4	1	8.7	-	-	2	4.5	3	3.8	-	-	1	5.5	-	-
LEADING CAUSES OF DEATH **																
CANCER	1,940	205.4	21	186.6	6	280.1	74	258.7	118	199.0	6	322.1	52	270.5	5	284.1
HEART DISEASE	1,857	196.6	14	124.4	5	233.4	36	125.8	90	151.8	6	322.1	54	280.9	4	227.3
CHRON. LOWER RESP. DISEASES	576	61.0	11	97.7	-	-	18	62.9	30	50.6	5	268.4	15	78.0	-	-
ACCIDENTS	547	57.9	6	53.3	1	46.7	29	101.4	30	50.6	2	107.4	16	83.2	2	113.6
CEREBROVASCULAR DISEASE	458	48.5	5	44.4	-	-	15	52.4	17	28.7	-	-	21	109.2	-	-
DIABETES	251	26.6	3	26.7	1	46.7	4	14.0	8	13.5	-	-	9	46.8	1	56.8
ALZHEIMER'S DISEASE	226	23.9	3	26.7	-	-	3	10.5	16	27.0	-	-	5	26.0	-	-
SUICIDE	187	19.8	2	17.8	1	46.7	8	28.0	8	13.5	-	-	4	20.8	-	-
PNEUMONIA AND INFLUENZA	170	18.0	-	-	-	-	7	24.5	14	23.6	-	-	4	20.8	-	-
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS	132	14.0	1	8.9	-	-	5	17.5	11	18.5	-	-	1	5.2	1	56.8
OCCURRENCE																
LIVE BIRTHS, TOTAL	12,488	13.2	3	0.3	-	-	344	12.0	886	14.9	6	3.2	96	5.0	-	-
DEATHS (EXCLUDING FETAL), TOTAL	8,485	9.0	50	4.4	10	4.7	213	7.4	521	8.8	24	12.9	180	9.4	8	4.5
INFANT (UNDER 1 YEAR)	64	5.1	-	-	-	-	-	-	3	3.4	-	-	-	-	-	-
ACCIDENTAL	590	0.6	3	0.3	-	-	31	1.1	30	0.5	2	1.1	12	0.6	2	1.1
MOTOR VEHICLE	292	0.3	2	0.2	-	-	21	0.7	13	0.2	-	-	6	0.3	-	-
OTHER ACCIDENTAL	298	0.3	1	0.1	-	-	10	0.3	17	0.3	2	1.1	6	0.3	2	1.1
MARRIAGES SOLUMNIZED	7,055	7.5	54	4.8	11	5.1	197	6.9	400	6.7	5	2.7	143	7.4	4	2.3
MARITAL TERMINATIONS#	4,176	4.4	18	1.6	4	1.9	155	5.4	396	6.7	3	1.6	71	3.7	-	-

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		MADISON		MEAGHER		MINERAL		MISSOULA		MUSSELSHELL		PARK		PETROLEUM	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		7,404		1,968		4,057		101,417		4,586		16,084		474	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	(15)	-2.1	6	3.1	4	1.0	553	5.5	(12)	-2.7	10	0.6	2	4.3
LIVE BIRTHS, TOTAL.....	12,499	13.2	56	7.6	26	13.2	51	12.6	1,229	12.1	41	8.9	153	9.5	6	12.7
SEX-MALE.....	6,444	13.6	39	---	13	---	26	---	635	---	21	---	78	---	4	---
FEMALE.....	6,055	12.8	17	---	13	---	25	---	594	---	20	---	75	---	2	---
OUT-OF-WEDLOCK.....	4,489	359.1	13	232.1	7	269.2	22	431.4	361	293.7	7	170.7	42	274.5	2	333.3
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	71	9.6	20	10.2	47	11.6	676	6.7	53	11.6	143	8.9	4	8.4
SEX-MALE.....	4,273	9.0	41	---	9	---	30	---	320	---	27	---	70	---	1	---
FEMALE.....	4,162	8.8	30	---	11	---	17	---	356	---	26	---	73	---	3	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	-	-	-	-	1	19.6	4	3.3	1	24.4	-	-	-	-
NEONATAL (UNDER 28 DAYS).....	31	2.5	-	-	-	-	-	-	2	1.6	1	24.4	-	-	-	-
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	-	-	-	-	1	19.6	2	1.6	-	-	-	-	-	-
FETAL DEATHS.....	49	3.9	-	-	-	-	1	19.6	6	4.9	-	-	1	6.5	-	-
PERINATAL DEATHS.....	80	6.4	-	-	-	-	1	19.6	8	6.5	1	24.4	1	6.5	-	-
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	10	135.1	6	304.9	14	345.1	177	174.5	8	174.4	30	186.5	1	211.0
HEART DISEASE.....	1,857	196.6	17	229.6	6	304.9	11	271.1	129	127.2	10	218.1	30	186.5	1	211.0
CHRON. LOWER RESP. DISEASES.....	576	61.0	5	67.5	-	-	2	49.3	56	55.2	4	87.2	9	56.0	-	-
ACCIDENTS.....	547	57.9	6	81.0	1	50.8	2	49.3	34	33.5	8	174.4	7	43.5	-	-
CEREBROVASCULAR DISEASE.....	458	48.5	2	27.0	-	-	4	98.6	37	36.5	3	65.4	8	49.7	1	211.0
DIABETES.....	251	26.6	1	13.5	-	-	1	24.6	13	12.8	1	21.8	4	24.9	-	-
ALZHEIMER'S DISEASE.....	226	23.9	-	-	-	-	1	24.6	20	19.7	1	21.8	6	37.3	-	-
SUICIDE.....	187	19.8	1	13.5	-	-	1	24.6	12	11.8	4	87.2	7	43.5	-	-
PNEUMONIA AND INFLUENZA.....	170	18.0	3	40.5	1	50.8	-	-	12	11.8	1	21.8	3	18.7	-	-
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	2	27.0	-	-	-	-	9	8.9	-	-	1	6.2	-	-
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	-	-	1	0.5	1	0.2	1,731	17.1	1	0.2	160	9.9	-	-
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	68	9.2	19	9.7	44	10.8	873	8.6	35	7.6	139	8.6	2	4.2
INFANT (UNDER 1 YEAR).....	64	5.1	-	-	-	-	1	1000.0	9	5.2	-	-	-	-	-	-
ACCIDENTAL.....	590	0.6	9	1.2	1	0.5	9	2.2	56	0.6	3	0.7	17	1.1	-	-
MOTOR VEHICLE.....	292	0.3	7	0.9	1	0.5	4	1.0	27	0.3	1	0.2	11	0.7	-	-
OTHER ACCIDENTAL.....	298	0.3	2	0.3	-	-	5	1.2	29	0.3	2	0.4	6	0.4	-	-
MARRIAGES SOLUMNIZED.....	7,055	7.5	73	9.9	10	5.1	34	8.4	716	7.1	23	5.0	193	12.0	2	4.2
MARITAL TERMINATIONS#.....	4,176	4.4	29	3.9	6	3.0	14	3.5	537	5.3	16	3.5	90	5.6	-	-

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		PHILLIPS		PONDERA		POWDER RIVER		POWELL		PRAIRIE		RAVALLI		RICHLAND	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		4,098		6,032		1,756		6,997		1,074		40,582		9,295	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	(1)	-0.2	15	2.5	(11)	-6.4	(12)	-1.7	(6)	-5.5	69	1.7	5	0.5
LIVE BIRTHS, TOTAL.....	12,499	13.2	41	10.0	80	13.3	9	5.1	55	7.9	7	6.5	427	10.5	99	10.7
SEX-MALE.....	6,444	13.6	17	---	37	---	3	---	33	---	3	---	215	---	51	---
FEMALE.....	6,055	12.8	24	---	43	---	6	---	22	---	4	---	212	---	48	---
OUT-OF-WEDLOCK.....	4,489	359.1	13	317.1	38	475.0	2	222.2	21	381.8	2	285.7	112	262.3	39	393.9
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	42	10.2	65	10.8	20	11.4	67	9.6	13	12.1	358	8.8	94	10.1
SEX-MALE.....	4,273	9.0	23	---	32	---	8	---	44	---	5	---	187	---	50	---
FEMALE.....	4,162	8.8	19	---	33	---	12	---	23	---	8	---	171	---	44	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	-	-	2	25.0	-	-	-	-	-	-	3	7.0	1	10.1
NEONATAL (UNDER 28 DAYS).....	31	2.5	-	-	1	12.5	-	-	-	-	-	-	1	2.3	1	10.1
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	-	-	1	12.5	-	-	-	-	-	-	2	4.7	-	-
FETAL DEATHS.....	49	3.9	1	24.4	2	25.0	-	-	-	-	-	-	-	-	3	30.3
PERINATAL DEATHS.....	80	6.4	1	24.4	3	37.5	-	-	-	-	-	-	1	2.3	4	40.4
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	12	292.8	15	248.7	3	170.8	15	214.4	5	465.5	94	231.6	17	182.9
HEART DISEASE.....	1,857	196.6	8	195.2	12	198.9	9	512.5	19	271.5	4	372.4	68	167.6	20	215.2
CHRON. LOWER RESP. DISEASES.....	576	61.0	5	122.0	3	49.7	1	56.9	3	42.9	-	-	28	69.0	4	43.0
ACCIDENTS.....	547	57.9	2	48.8	6	99.5	2	113.9	3	42.9	-	-	20	49.3	5	53.8
CEREBROVASCULAR DISEASE.....	458	48.5	3	73.2	1	16.6	1	56.9	3	42.9	1	93.1	19	46.8	4	43.0
DIABETES.....	251	26.6	-	-	4	66.3	2	113.9	5	71.5	-	-	7	17.2	1	10.8
ALZHEIMER'S DISEASE.....	226	23.9	2	48.8	-	-	-	-	1	14.3	-	-	23	56.7	2	21.5
SUICIDE.....	187	19.8	1	24.4	1	16.6	-	-	-	-	-	-	12	29.6	3	32.3
PNEUMONIA AND INFLUENZA.....	170	18.0	1	24.4	4	66.3	1	56.9	1	14.3	1	93.1	-	-	3	32.3
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	2	48.8	-	-	-	-	-	-	-	-	10	24.6	4	43.0
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	-	-	55	9.1	-	-	13	1.9	-	-	212	5.2	104	11.2
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	31	7.6	51	8.5	18	10.3	50	7.1	9	8.4	288	7.1	87	9.4
INFANT (UNDER 1 YEAR).....	64	5.1	-	-	-	-	-	-	-	-	-	-	1	4.7	-	-
ACCIDENTAL.....	590	0.6	-	-	3	0.5	3	1.7	5	0.7	1	0.9	11	0.3	4	0.4
MOTOR VEHICLE.....	292	0.3	-	-	2	0.3	3	1.7	3	0.4	1	0.9	3	0.1	3	0.3
OTHER ACCIDENTAL.....	298	0.3	-	-	1	0.2	-	-	2	0.3	-	-	8	0.2	1	0.1
MARRIAGES SOLUMNIZED.....	7,055	7.5	24	5.9	38	6.3	7	4.0	35	5.0	6	5.6	243	6.0	63	6.8
MARITAL TERMINATIONS#.....	4,176	4.4	11	2.7	20	3.3	5	2.8	15	2.1	3	2.8	183	4.5	42	4.5

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONTINUED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		ROOSEVELT		ROSEBUD		SANDERS		SHERIDAN		SILVER BOW		STILLWATER		SWEET GRASS	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		10,496		9,261		11,138		3,447		32,801		8,646		3,760	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	122	11.5	93	10.0	(6)	-0.5	(46)	-13.1	(6)	-0.2	26	3.1	(5)	-1.4
LIVE BIRTHS, TOTAL.....	12,499	13.2	239	22.8	164	17.7	109	9.8	23	6.7	417	12.7	101	11.7	39	10.4
SEX-MALE.....	6,444	13.6	123	---	81	---	56	---	10	---	217	---	58	---	19	---
FEMALE.....	6,055	12.8	116	---	83	---	53	---	13	---	200	---	43	---	20	---
OUT-OF-WEDLOCK.....	4,489	359.1	172	719.7	107	652.4	32	293.6	11	478.3	163	390.9	23	227.7	8	205.1
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	117	11.1	71	7.7	115	10.3	69	20.0	423	12.9	75	8.7	44	11.7
SEX-MALE.....	4,273	9.0	69	---	44	---	73	---	33	---	215	---	37	---	16	---
FEMALE.....	4,162	8.8	48	---	27	---	42	---	36	---	208	---	38	---	28	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	3	12.6	1	6.1	1	9.2	-	-	1	2.4	1	9.9	-	-
NEONATAL (UNDER 28 DAYS).....	31	2.5	1	4.2	1	6.1	-	-	-	-	-	-	1	9.9	-	-
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	2	8.4	-	-	1	9.2	-	-	1	2.4	-	-	-	-
FETAL DEATHS.....	49	3.9	2	8.4	2	12.2	-	-	-	-	1	2.4	1	9.9	-	-
PERINATAL DEATHS.....	80	6.4	3	12.6	3	18.3	-	-	-	-	1	2.4	2	19.8	-	-
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	20	190.5	13	140.4	29	260.4	19	551.2	75	228.7	21	242.9	8	212.8
HEART DISEASE.....	1,857	196.6	29	276.3	17	183.6	23	206.5	24	696.3	128	390.2	17	196.6	13	345.7
CHRON. LOWER RESP. DISEASES.....	576	61.0	2	19.1	1	10.8	9	80.8	5	145.1	34	103.7	1	11.6	4	106.4
ACCIDENTS.....	547	57.9	7	66.7	8	86.4	9	80.8	2	58.0	28	85.4	8	92.5	3	79.8
CEREBROVASCULAR DISEASE.....	458	48.5	10	95.3	4	43.2	10	89.8	4	116.0	18	54.9	3	34.7	3	79.8
DIABETES.....	251	26.6	10	95.3	2	21.6	7	62.8	-	-	15	45.7	2	23.1	2	53.2
ALZHEIMER'S DISEASE.....	226	23.9	6	57.2	1	10.8	2	18.0	1	29.0	15	45.7	4	46.3	-	-
SUICIDE.....	187	19.8	2	19.1	4	43.2	4	35.9	-	-	13	39.6	2	23.1	1	26.6
PNEUMONIA AND INFLUENZA.....	170	18.0	-	-	1	10.8	1	9.0	7	203.1	5	15.2	1	11.6	-	-
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	-	-	3	32.4	-	-	1	29.0	3	9.1	1	11.6	1	26.6
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	97	9.2	10	1.1	52	4.7	18	5.2	500	15.2	2	0.2	-	-
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	90	8.6	55	5.9	95	8.5	61	17.7	433	13.2	54	6.2	41	10.9
INFANT (UNDER 1 YEAR).....	64	5.1	-	-	-	-	1	19.2	-	-	-	-	-	-	-	-
ACCIDENTAL.....	590	0.6	6	0.6	9	1.0	15	1.3	1	0.3	32	1.0	4	0.5	4	1.1
MOTOR VEHICLE.....	292	0.3	3	0.3	6	0.6	8	0.7	-	-	7	0.2	1	0.1	1	0.3
OTHER ACCIDENTAL.....	298	0.3	3	0.3	3	0.3	7	0.6	1	0.3	25	0.8	3	0.3	3	0.8
MARRIAGES SOLUMNIZED.....	7,055	7.5	61	5.8	28	3.0	66	5.9	18	5.2	212	6.5	59	6.8	29	7.7
MARITAL TERMINATIONS#.....	4,176	4.4	14	1.3	28	3.0	38	3.4	9	2.6	253	7.7	26	3.0	16	4.3

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-7 (CONCLUDED)

**SELECTED VITAL STATISTICS
FREQUENCIES AND RATES OR RATIOS BY COUNTY
MONTANA, 2006**

ITEM	MONTANA		TETON		TOOLE		TREASURE		VALLEY		WHEATLAND		WIBAUX		YELLOWSTONE	
	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE	NUMBER	RATE
POPULATION	944,632		6,115		5,073		680		6,995		1,959		909		138,213	
RESIDENCE																
NATURAL INCREASE.....	4,064	4.3	20	3.2	(16)	-3.1	(1)	-1.4	(10)	-1.4	-	-	(11)	-11.7	736	5.4
LIVE BIRTHS, TOTAL.....	12,499	13.2	64	10.5	45	8.9	5	7.4	82	11.7	19	9.7	9	9.9	1,981	14.3
SEX-MALE.....	6,444	13.6	33	---	25	---	1	---	34	---	13	---	4	---	1,029	---
FEMALE.....	6,055	12.8	31	---	20	---	4	---	48	---	6	---	5	---	952	---
OUT-OF-WEDLOCK.....	4,489	359.1	8	125.0	20	444.4	-	-	32	390.2	3	157.9	1	111.1	769	388.2
DEATHS (EXCLUDING FETALS), TOTAL.....	8,435	8.9	44	7.2	61	12.0	6	8.8	92	13.2	19	9.7	20	22.0	1,245	9.0
SEX-MALE.....	4,273	9.0	21	---	34	---	3	---	41	---	11	---	11	---	609	---
FEMALE.....	4,162	8.8	23	---	27	---	3	---	51	---	8	---	9	---	636	---
INFANT & FETAL MORTALITY*																
INFANT DEATHS (UNDER 1 YEAR).....	70	5.6	1	15.6	-	-	-	-	-	-	-	-	-	-	11	5.6
NEONATAL (UNDER 28 DAYS).....	31	2.5	1	15.6	-	-	-	-	-	-	-	-	-	-	2	1.0
POSTNEONATAL (28 DAYS-1 YEAR).....	39	3.1	-	-	-	-	-	-	-	-	-	-	-	-	9	4.5
FETAL DEATHS.....	49	3.9	-	-	1	22.2	-	-	-	-	-	-	-	-	4	2.0
PERINATAL DEATHS.....	80	6.4	1	15.6	1	22.2	-	-	-	-	-	-	-	-	6	3.0
LEADING CAUSES OF DEATH **																
CANCER.....	1,940	205.4	17	278.0	17	335.1	3	441.2	22	314.5	4	204.2	6	660.1	304	220.0
HEART DISEASE.....	1,857	196.6	8	130.8	12	236.5	-	-	17	243.0	7	357.3	4	440.0	284	205.5
CHRON. LOWER RESP. DISEASES.....	576	61.0	3	49.1	3	59.1	-	-	7	100.1	-	-	-	-	86	62.2
ACCIDENTS.....	547	57.9	-	-	1	19.7	-	-	6	85.8	1	51.0	2	220.0	50	36.2
CEREBROVASCULAR DISEASE.....	458	48.5	2	32.7	8	157.7	2	294.1	3	42.9	-	-	-	-	76	55.0
DIABETES.....	251	26.6	2	32.7	1	19.7	-	-	11	157.3	1	51.0	-	-	30	21.7
ALZHEIMER'S DISEASE.....	226	23.9	-	-	-	-	-	-	2	28.6	1	51.0	1	110.0	28	20.3
SUICIDE.....	187	19.8	-	-	3	59.1	-	-	-	-	1	51.0	-	-	17	12.3
PNEUMONIA AND INFLUENZA.....	170	18.0	1	16.4	1	19.7	1	147.1	3	42.9	1	51.0	-	-	18	13.0
NEPHRITIS, NEPHROTIC SYNDROME, AND NEPHROSIS.....	132	14.0	-	-	4	78.8	-	-	-	-	1	51.0	-	-	24	17.4
OCCURRENCE																
LIVE BIRTHS, TOTAL.....	12,488	13.2	2	0.3	16	3.2	-	-	171	24.4	-	-	-	-	2,629	19.0
DEATHS (EXCLUDING FETAL), TOTAL.....	8,485	9.0	36	5.9	55	10.8	2	2.9	84	12.0	19	9.7	17	18.7	1,515	11.0
INFANT (UNDER 1 YEAR).....	64	5.1	-	-	-	-	-	-	1	5.8	-	-	-	-	21	8.0
ACCIDENTAL.....	590	0.6	1	0.2	4	0.8	1	1.5	7	1.0	-	-	1	1.1	73	0.5
MOTOR VEHICLE.....	292	0.3	1	0.2	3	0.6	-	-	4	0.6	-	-	1	1.1	41	0.3
OTHER ACCIDENTAL.....	298	0.3	-	-	1	0.2	1	1.5	3	0.4	-	-	-	-	32	0.2
MARRIAGES SOLUMNIZED.....	7,055	7.5	34	5.6	38	7.5	2	2.9	48	6.9	9	4.6	9	9.9	876	6.3
MARITAL TERMINATIONS#.....	4,176	4.4	8	1.3	23	4.5	5	7.4	17	2.4	2	1.0	-	-	693	5.0

* INFANT MORTALITY RATE AND FETAL MORTALITY RATIO ARE SHOWN PER 1,000 LIVE BIRTHS.

** CAUSE-SPECIFIC RESIDENT DEATH RATES ARE SHOWN PER 100,000 ESTIMATED POPULATION. SEE "CAUSE OF DEATH" IN THE "TECHNICAL OVERVIEW" FOR THE INTERNATIONAL CLASSIFICATION OF DISEASE (ICD-9) CODES INCLUDED IN EACH CATEGORY.

--- NOT CALCULATED OR NOT AVAILABLE.

- QUANTITY IS ZERO. () VALUE IS LESS THAN ZERO.

DATA WERE COLLECTED BY THE MONTANA OFFICE OF VITAL STATISTICS (OVS) THROUGH OCTOBER 1998 AND BY THE THE JUDICIAL CASE MANAGEMENT SYSTEM (JCMS) THEREAFTER. DATA COLLECTED BY JCMS ARE NOT COMPARABLE TO THOSE COLLECTED BY OVS AND SHOULD BE USED WITH CAUTION.

TABLE S-8

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
TOTAL											
LIVE BIRTHS											
NUMBER	12,499	8	359	922	3,528	3,728	2,515	1,168	242	29	-
PERCENT	100.0	0.1	2.9	7.4	28.2	29.8	20.1	9.3	1.9	0.2	-
FETAL DEATHS											
NUMBER	49	-	2	4	9	13	10	6	4	1	-
PERCENT	100.0	-	4.1	8.2	18.4	26.5	20.4	12.2	8.2	2.0	-
INDUCED ABORTIONS											
NUMBER	1,930	10	132	233	722	406	209	137	71	9	1
PERCENT	100.0	0.5	6.8	12.1	37.4	21.0	10.8	7.1	3.7	0.5	0.1
BEAVERHEAD											
LIVE BIRTHS											
NUMBER	88	-	1	8	24	27	16	10	2	-	-
PERCENT	100.0	-	1.1	9.1	27.3	30.7	18.2	11.4	2.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	23	2	4	5	7	2	-	1	2	-	-
PERCENT	100.0	8.7	17.4	21.7	30.4	8.7	-	4.3	8.7	-	-
BIG HORN											
LIVE BIRTHS											
NUMBER	289	-	26	38	87	76	39	22	1	-	-
PERCENT	100.0	-	9.0	13.1	30.1	26.3	13.5	7.6	0.3	-	-
FETAL DEATHS											
NUMBER	3	-	-	-	1	1	1	-	-	-	-
PERCENT	100.0	-	-	-	33.3	33.3	33.3	-	-	-	-
INDUCED ABORTIONS											
NUMBER	26	-	3	2	7	6	6	1	1	-	-
PERCENT	100.0	-	11.5	7.7	26.9	23.1	23.1	3.8	3.8	-	-
BLAINE											
LIVE BIRTHS											
NUMBER	120	-	6	19	45	30	15	5	-	-	-
PERCENT	100.0	-	5.0	15.8	37.5	25.0	12.5	4.2	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	11	-	2	-	5	1	1	1	1	-	-
PERCENT	100.0	-	18.2	-	45.5	9.1	9.1	9.1	9.1	-	-
BROADWATER											
LIVE BIRTHS											
NUMBER	41	-	2	6	11	12	8	2	-	-	-
PERCENT	100.0	-	4.9	14.6	26.8	29.3	19.5	4.9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	1	-	-	-	-	-	1	-
PERCENT	100.0	-	-	50.0	-	-	-	-	-	50.0	-
CARBON											
LIVE BIRTHS											
NUMBER	96	-	-	9	19	35	19	9	4	1	-
PERCENT	100.0	-	-	9.4	19.8	36.5	19.8	9.4	4.2	1.0	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	13	-	2	1	4	-	3	1	2	-	-
PERCENT	100.0	-	15.4	7.7	30.8	-	23.1	7.7	15.4	-	-
CARTER											
LIVE BIRTHS											
NUMBER	5	-	-	-	1	1	1	2	-	-	-
PERCENT	100.0	-	-	-	20.0	20.0	20.0	40.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
CASCADE											
LIVE BIRTHS											
NUMBER	1,167	1	35	119	377	341	194	79	19	2	-
PERCENT	100.0	0.1	3.0	10.2	32.3	29.2	16.6	6.8	1.6	0.2	-
FETAL DEATHS											
NUMBER	2	-	-	1	-	-	1	-	-	-	-
PERCENT	100.0	-	-	50.0	-	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	147	-	12	23	50	31	15	8	8	-	-
PERCENT	100.0	-	8.2	15.6	34.0	21.1	10.2	5.4	5.4	-	-
CHOUTEAU											
LIVE BIRTHS											
NUMBER	39	-	-	3	9	14	6	4	3	-	-
PERCENT	100.0	-	-	7.7	23.1	35.9	15.4	10.3	7.7	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
CUSTER											
LIVE BIRTHS											
NUMBER	164	-	4	14	51	34	34	25	2	-	-
PERCENT	100.0	-	2.4	8.5	31.1	20.7	20.7	15.2	1.2	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
INDUCED ABORTIONS											
NUMBER	20	-	-	3	6	6	3	-	2	-	-
PERCENT	100.0	-	-	15.0	30.0	30.0	15.0	-	10.0	-	-
DANIELS											
LIVE BIRTHS											
NUMBER	9	-	-	-	2	6	1	-	-	-	-
PERCENT	100.0	-	-	-	22.2	66.7	11.1	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
DAWSON											
LIVE BIRTHS											
NUMBER	102	-	3	6	29	39	19	6	-	-	-
PERCENT	100.0	-	2.9	5.9	28.4	38.2	18.6	5.9	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	1	1	1	-	-	-	-	-
PERCENT	100.0	-	-	33.3	33.3	33.3	-	-	-	-	-
DEER LODGE											
LIVE BIRTHS											
NUMBER	77	-	4	6	22	16	14	11	3	1	-
PERCENT	100.0	-	5.2	7.8	28.6	20.8	18.2	14.3	3.9	1.3	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	14	-	-	1	2	6	-	4	1	-	-
PERCENT	100.0	-	-	7.1	14.3	42.9	-	28.6	7.1	-	-
FALLON											
LIVE BIRTHS											
NUMBER	52	-	-	5	15	19	9	3	1	-	-
PERCENT	100.0	-	-	9.6	28.8	36.5	17.3	5.8	1.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	2	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
FERGUS											
LIVE BIRTHS											
NUMBER	106	-	3	4	24	33	24	14	4	-	-
PERCENT	100.0	-	2.8	3.8	22.6	31.1	22.6	13.2	3.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	-	-	5	3	-	-	2	-	-
PERCENT	100.0	-	-	-	50.0	30.0	-	-	20.0	-	-
FLATHEAD											
LIVE BIRTHS											
NUMBER	1,188	-	28	77	337	367	219	132	25	3	-
PERCENT	100.0	-	2.4	6.5	28.4	30.9	18.4	11.1	2.1	0.3	-
FETAL DEATHS											
NUMBER	5	-	-	1	1	3	-	-	-	-	-
PERCENT	100.0	-	-	20.0	20.0	60.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	177	1	9	18	71	31	18	20	7	2	-
PERCENT	100.0	0.6	5.1	10.2	40.1	17.5	10.2	11.3	4.0	1.1	-
GALLATIN											
LIVE BIRTHS											
NUMBER	1,214	-	14	51	249	388	331	158	21	2	-
PERCENT	100.0	-	1.2	4.2	20.5	32.0	27.3	13.0	1.7	0.2	-
FETAL DEATHS											
NUMBER	5	-	1	-	1	-	2	1	-	-	-
PERCENT	100.0	-	20.0	-	20.0	-	40.0	20.0	-	-	-
INDUCED ABORTIONS											
NUMBER	220	3	6	24	91	56	20	15	4	1	-
PERCENT	100.0	1.4	2.7	10.9	41.4	25.5	9.1	6.8	1.8	0.5	-
GARFIELD											
LIVE BIRTHS											
NUMBER	19	-	-	-	5	10	3	1	-	-	-
PERCENT	100.0	-	-	-	26.3	52.6	15.8	5.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
GLACIER											
LIVE BIRTHS											
NUMBER	246	-	20	25	87	70	27	12	3	2	-
PERCENT	100.0	-	8.1	10.2	35.4	28.5	11.0	4.9	1.2	0.8	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	27	-	4	5	9	3	5	1	-	-	-
PERCENT	100.0	-	14.8	18.5	33.3	11.1	18.5	3.7	-	-	-
GOLDEN VALLEY											
LIVE BIRTHS											
NUMBER	7	-	-	-	3	1	1	2	-	-	-
PERCENT	100.0	-	-	-	42.9	14.3	14.3	28.6	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
GRANITE											
LIVE BIRTHS											
NUMBER	24	-	1	1	8	7	5	2	-	-	-
PERCENT	100.0	-	4.2	4.2	33.3	29.2	20.8	8.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	1	-	-	1	-	-	-	-
PERCENT	100.0	-	33.3	33.3	-	-	33.3	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
HILL											
LIVE BIRTHS											
NUMBER	299	-	11	36	110	75	50	16	1	-	-
PERCENT	100.0	-	3.7	12.0	36.8	25.1	16.7	5.4	0.3	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	23	-	2	4	8	4	5	-	-	-	-
PERCENT	100.0	-	8.7	17.4	34.8	17.4	21.7	-	-	-	-
JEFFERSON											
LIVE BIRTHS											
NUMBER	115	-	-	9	25	28	28	22	3	-	-
PERCENT	100.0	-	-	7.8	21.7	24.3	24.3	19.1	2.6	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	1	-	-	-	-
PERCENT	100.0	-	-	-	-	-	100.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	2	1	1	2	1	1	-	-	-
PERCENT	100.0	-	25.0	12.5	12.5	25.0	12.5	12.5	-	-	-
JUDITH BASIN											
LIVE BIRTHS											
NUMBER	14	-	-	1	2	4	4	3	-	-	-
PERCENT	100.0	-	-	7.1	14.3	28.6	28.6	21.4	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
LAKE											
LIVE BIRTHS											
NUMBER	444	1	20	37	160	120	74	26	6	-	-
PERCENT	100.0	0.2	4.5	8.3	36.0	27.0	16.7	5.9	1.4	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	-	-	1	-	-	1	-
PERCENT	100.0	-	-	-	-	-	50.0	-	-	50.0	-
INDUCED ABORTIONS											
NUMBER	46	-	6	7	17	6	5	2	2	-	1
PERCENT	100.0	-	13.0	15.2	37.0	13.0	10.9	4.3	4.3	-	2.2
LEWIS & CLARK											
LIVE BIRTHS											
NUMBER	787	-	25	50	198	233	185	82	11	3	-
PERCENT	100.0	-	3.2	6.4	25.2	29.6	23.5	10.4	1.4	0.4	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	111	-	8	13	47	18	12	10	3	-	-
PERCENT	100.0	-	7.2	11.7	42.3	16.2	10.8	9.0	2.7	-	-
LIBERTY											
LIVE BIRTHS											
NUMBER	12	-	-	-	2	6	3	1	-	-	-
PERCENT	100.0	-	-	-	16.7	50.0	25.0	8.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
LINCOLN											
LIVE BIRTHS											
NUMBER	183	-	5	13	56	58	40	10	1	-	-
PERCENT	100.0	-	2.7	7.1	30.6	31.7	21.9	5.5	0.5	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	21	-	5	3	3	2	2	4	1	1	-
PERCENT	100.0	-	23.8	14.3	14.3	9.5	9.5	19.0	4.8	4.8	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
MCCONE											
LIVE BIRTHS											
NUMBER	14	-	-	-	6	4	1	2	1	-	-
PERCENT	100.0	-	-	-	42.9	28.6	7.1	14.3	7.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
MADISON											
LIVE BIRTHS											
NUMBER	56	-	-	2	10	21	14	9	-	-	-
PERCENT	100.0	-	-	3.6	17.9	37.5	25.0	16.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	1	1	3	3	2	1	1	-	-
PERCENT	100.0	-	8.3	8.3	25.0	25.0	16.7	8.3	8.3	-	-
MEAGHER											
LIVE BIRTHS											
NUMBER	26	-	-	-	9	6	8	2	1	-	-
PERCENT	100.0	-	-	-	34.6	23.1	30.8	7.7	3.8	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	-	1	2	-	-	-	-	-
PERCENT	100.0	-	-	-	33.3	66.7	-	-	-	-	-
MINERAL											
LIVE BIRTHS											
NUMBER	51	-	-	3	26	14	5	2	-	1	-
PERCENT	100.0	-	-	5.9	51.0	27.5	9.8	3.9	-	2.0	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
INDUCED ABORTIONS											
NUMBER	3	-	1	1	1	-	-	-	-	-	-
PERCENT	100.0	-	33.3	33.3	33.3	-	-	-	-	-	-
MISSOULA											
LIVE BIRTHS											
NUMBER	1,229	-	22	74	319	364	282	144	22	2	-
PERCENT	100.0	-	1.8	6.0	26.0	29.6	22.9	11.7	1.8	0.2	-
FETAL DEATHS											
NUMBER	6	-	-	-	-	4	1	-	1	-	-
PERCENT	100.0	-	-	-	-	66.7	16.7	-	16.7	-	-
INDUCED ABORTIONS											
NUMBER	379	1	18	49	178	70	36	16	9	2	-
PERCENT	100.0	0.3	4.7	12.9	47.0	18.5	9.5	4.2	2.4	0.5	-
MUSSELSHELL											
LIVE BIRTHS											
NUMBER	41	-	-	-	16	13	7	3	2	-	-
PERCENT	100.0	-	-	-	39.0	31.7	17.1	7.3	4.9	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	4	-	-	-	2	1	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	25.0	25.0	-	-	-	-
PARK											
LIVE BIRTHS											
NUMBER	153	-	4	7	29	35	46	29	3	-	-
PERCENT	100.0	-	2.6	4.6	19.0	22.9	30.1	19.0	2.0	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	1	-	-	-
PERCENT	100.0	-	-	-	-	-	-	100.0	-	-	-
INDUCED ABORTIONS											
NUMBER	34	-	4	7	9	7	3	2	2	-	-
PERCENT	100.0	-	11.8	20.6	26.5	20.6	8.8	5.9	5.9	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
PETROLEUM											
LIVE BIRTHS											
NUMBER	6	-	-	-	-	4	1	1	-	-	-
PERCENT	100.0	-	-	-	-	66.7	16.7	16.7	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
PHILLIPS											
LIVE BIRTHS											
NUMBER	41	-	3	2	9	16	7	4	-	-	-
PERCENT	100.0	-	7.3	4.9	22.0	39.0	17.1	9.8	-	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	3	-	-	1	-	2	-	-	-	-	-
PERCENT	100.0	-	-	33.3	-	66.7	-	-	-	-	-
PONDERA											
LIVE BIRTHS											
NUMBER	80	-	6	7	22	20	17	5	3	-	-
PERCENT	100.0	-	7.5	8.8	27.5	25.0	21.3	6.3	3.8	-	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	-	1	-	-	-	-
PERCENT	100.0	-	-	-	50.0	-	50.0	-	-	-	-
INDUCED ABORTIONS											
NUMBER	6	-	2	-	-	1	1	2	-	-	-
PERCENT	100.0	-	33.3	-	-	16.7	16.7	33.3	-	-	-
POWDER RIVER											
LIVE BIRTHS											
NUMBER	9	-	-	-	3	2	3	1	-	-	-
PERCENT	100.0	-	-	-	33.3	22.2	33.3	11.1	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	-	-	-	1	-	-	1	-	-
PERCENT	100.0	-	-	-	-	50.0	-	-	50.0	-	-
POWELL											
LIVE BIRTHS											
NUMBER	55	-	-	5	15	16	10	6	2	1	-
PERCENT	100.0	-	-	9.1	27.3	29.1	18.2	10.9	3.6	1.8	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	10	-	-	-	4	2	4	-	-	-	-
PERCENT	100.0	-	-	-	40.0	20.0	40.0	-	-	-	-
PRAIRIE											
LIVE BIRTHS											
NUMBER	7	-	-	-	4	2	1	-	-	-	-
PERCENT	100.0	-	-	-	57.1	28.6	14.3	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	1	-	1	-	-	-	-	-	-
PERCENT	100.0	-	50.0	-	50.0	-	-	-	-	-	-
RAVALLI											
LIVE BIRTHS											
NUMBER	427	-	9	34	110	114	98	46	14	2	-
PERCENT	100.0	-	2.1	8.0	25.8	26.7	23.0	10.8	3.3	0.5	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	50	-	6	7	12	7	9	6	3	-	-
PERCENT	100.0	-	12.0	14.0	24.0	14.0	18.0	12.0	6.0	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
RICHLAND											
LIVE BIRTHS											
NUMBER	99	-	2	12	27	31	18	7	2	-	-
PERCENT	100.0	-	2.0	12.1	27.3	31.3	18.2	7.1	2.0	-	-
FETAL DEATHS											
NUMBER	3	-	-	2	1	-	-	-	-	-	-
PERCENT	100.0	-	-	66.7	33.3	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	8	-	1	-	2	3	-	2	-	-	-
PERCENT	100.0	-	12.5	-	25.0	37.5	-	25.0	-	-	-
ROOSEVELT											
LIVE BIRTHS											
NUMBER	239	2	17	31	86	60	29	11	3	-	-
PERCENT	100.0	0.8	7.1	13.0	36.0	25.1	12.1	4.6	1.3	-	-
FETAL DEATHS											
NUMBER	2	-	1	-	-	1	-	-	-	-	-
PERCENT	100.0	-	50.0	-	-	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	1	2	7	3	2	-	-	-	-
PERCENT	100.0	-	6.7	13.3	46.7	20.0	13.3	-	-	-	-
ROSEBUD											
LIVE BIRTHS											
NUMBER	164	-	10	17	57	44	20	14	1	1	-
PERCENT	100.0	-	6.1	10.4	34.8	26.8	12.2	8.5	0.6	0.6	-
FETAL DEATHS											
NUMBER	2	-	-	-	1	1	-	-	-	-	-
PERCENT	100.0	-	-	-	50.0	50.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	12	-	3	1	1	3	3	1	-	-	-
PERCENT	100.0	-	25.0	8.3	8.3	25.0	25.0	8.3	-	-	-
SANDERS											
LIVE BIRTHS											
NUMBER	109	-	2	8	38	30	15	8	8	-	-
PERCENT	100.0	-	1.8	7.3	34.9	27.5	13.8	7.3	7.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	15	-	2	-	4	3	1	5	-	-	-
PERCENT	100.0	-	13.3	-	26.7	20.0	6.7	33.3	-	-	-
SHERIDAN											
LIVE BIRTHS											
NUMBER	23	-	1	-	10	7	4	1	-	-	-
PERCENT	100.0	-	4.3	-	43.5	30.4	17.4	4.3	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
SILVER BOW											
LIVE BIRTHS											
NUMBER	417	1	17	32	113	123	87	35	8	1	-
PERCENT	100.0	0.2	4.1	7.7	27.1	29.5	20.9	8.4	1.9	0.2	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	71	-	2	8	20	18	12	9	2	-	-
PERCENT	100.0	-	2.8	11.3	28.2	25.4	16.9	12.7	2.8	-	-
STILLWATER											
LIVE BIRTHS											
NUMBER	101	-	1	3	30	34	22	9	2	-	-
PERCENT	100.0	-	1.0	3.0	29.7	33.7	21.8	8.9	2.0	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	-	-	-	-	1	-	-
PERCENT	100.0	-	-	-	-	-	-	-	100.0	-	-
INDUCED ABORTIONS											
NUMBER	9	-	-	1	4	3	-	1	-	-	-
PERCENT	100.0	-	-	11.1	44.4	33.3	-	11.1	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONTINUED)

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
SWEET GRASS											
LIVE BIRTHS											
NUMBER	39	-	2	2	8	13	10	3	1	-	-
PERCENT	100.0	-	5.1	5.1	20.5	33.3	25.6	7.7	2.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	2	-	1	-	1	-	-	-	-	-	-
PERCENT	100.0	-	50.0	-	50.0	-	-	-	-	-	-
TETON											
LIVE BIRTHS											
NUMBER	64	-	2	2	13	30	11	5	1	-	-
PERCENT	100.0	-	3.1	3.1	20.3	46.9	17.2	7.8	1.6	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
TOOLE											
LIVE BIRTHS											
NUMBER	45	-	1	3	15	12	6	6	2	-	-
PERCENT	100.0	-	2.2	6.7	33.3	26.7	13.3	13.3	4.4	-	-
FETAL DEATHS											
NUMBER	1	-	-	-	1	-	-	-	-	-	-
PERCENT	100.0	-	-	-	100.0	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	1	3	-	1	-	-	-	-
PERCENT	100.0	-	-	20.0	60.0	-	20.0	-	-	-	-
TREASURE											
LIVE BIRTHS											
NUMBER	5	-	-	-	2	1	1	1	-	-	-
PERCENT	100.0	-	-	-	40.0	20.0	20.0	20.0	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
VALLEY											
LIVE BIRTHS											
NUMBER	82	-	3	5	25	30	12	6	1	-	-
PERCENT	100.0	-	3.7	6.1	30.5	36.6	14.6	7.3	1.2	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	5	-	-	-	1	4	-	-	-	-	-
PERCENT	100.0	-	-	-	20.0	80.0	-	-	-	-	-
WHEATLAND											
LIVE BIRTHS											
NUMBER	19	-	-	1	3	7	6	1	1	-	-
PERCENT	100.0	-	-	5.3	15.8	36.8	31.6	5.3	5.3	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	1	-	1	-	-	-	-	-	-	-	-
PERCENT	100.0	-	100.0	-	-	-	-	-	-	-	-
WIBAUX											
LIVE BIRTHS											
NUMBER	9	-	-	1	2	2	1	2	1	-	-
PERCENT	100.0	-	-	11.1	22.2	22.2	11.1	22.2	11.1	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE S-8 (CONCLUDED)

FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS, FETAL DEATHS, AND INDUCED ABORTIONS*
BY MOTHERS' OR PATIENTS' AGES AND COUNTY OF RESIDENCE
MONTANA, 2006

COUNTY OF RESIDENCE	AGE GROUP										
	TOTAL	UNDER 15	15-17	18-19	20-24	25-29	30-34	35-39	40-44	45 OR MORE	N.S.+
YELLOWSTONE											
LIVE BIRTHS											
NUMBER	1,981	3	49	134	563	622	404	146	53	7	-
PERCENT	100.0	0.2	2.5	6.8	28.4	31.4	20.4	7.4	2.7	0.4	-
FETAL DEATHS											
NUMBER	4	-	-	-	1	2	-	1	-	-	-
PERCENT	100.0	-	-	-	25.0	50.0	-	25.0	-	-	-
INDUCED ABORTIONS											
NUMBER	341	3	18	36	122	87	37	20	16	2	-
PERCENT	100.0	0.9	5.3	10.6	35.8	25.5	10.9	5.9	4.7	0.6	-
YELLOWSTONE PARK											
LIVE BIRTHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
COUNTY NOT STATED											
LIVE BIRTHS											
NUMBER	1	-	-	-	-	1	-	-	-	-	-
PERCENT	100.0	-	-	-	-	100.0	-	-	-	-	-
FETAL DEATHS											
NUMBER	-	-	-	-	-	-	-	-	-	-	-
PERCENT	-	-	-	-	-	-	-	-	-	-	-
INDUCED ABORTIONS											
NUMBER	25	-	-	5	9	8	-	3	-	-	-
PERCENT	100.0	-	-	20.0	36.0	32.0	-	12.0	-	-	-

* THESE EVENTS ARE THE PREGNANCY OUTCOMES REPORTED IN MONTANA. THUS, THIS TABLE DOES NOT INCLUDE INDUCED ABORTIONS PERFORMED OUTSIDE MONTANA ON MONTANA RESIDENTS OR EARLY FETAL DEATHS (WHEN THE FETUS WEIGHED LESS THAN 350 GRAMS OR THE GESTATION WAS LESS THAN 20 WEEKS).

+ NOT STATED.

- FREQUENCY IS ZERO.

TABLE P-1

MONTANA RESIDENT POPULATION BY COUNTY
MONTANA, 2000 - 2006

COUNTY	2006 U.S. CENSUS EST. POPULATION	2005 U.S. CENSUS EST. POPULATION	2004 U.S. CENSUS EST. POPULATION	2003 U.S. CENSUS EST. POPULATION	2002 U.S. CENSUS EST. POPULATION	2001 U.S. CENSUS EST. POPULATION	2000 U.S. CENSUS EST. POPULATION
MONTANA, TOTAL	944,632	934,737	926,345	917,193	910,357	906,148	903,531
BEAVERHEAD	8,743	8,778	8,832	8,911	8,998	9,076	9,199
BIG HORN	13,035	13,076	13,056	12,885	12,831	12,818	12,675
BLAINE	6,615	6,634	6,659	6,763	6,816	6,824	6,987
BROADWATER	4,572	4,506	4,520	4,412	4,407	4,401	4,372
CARBON	9,903	9,895	9,772	9,738	9,720	9,660	9,556
CARTER	1,321	1,320	1,334	1,329	1,358	1,362	1,349
CASCADE	79,385	79,490	79,874	79,736	79,738	79,858	80,240
CHOUTEAU	5,417	5,464	5,532	5,577	5,639	5,769	5,981
CUSTER	11,151	11,256	11,414	11,342	11,431	11,471	11,665
DANIELS	1,774	1,825	1,837	1,914	1,932	2,013	2,012
DAWSON	8,624	8,629	8,643	8,732	8,731	8,916	9,044
DEER LODGE	8,888	8,986	8,976	8,970	9,070	9,203	9,389
FALLON	2,717	2,709	2,771	2,765	2,725	2,754	2,812
FERGUS	11,496	11,503	11,592	11,640	11,672	11,759	11,898
FLATHEAD	85,314	83,079	81,061	79,371	77,443	76,104	74,746
GALLATIN	80,921	78,262	75,608	73,282	71,078	69,804	68,285
GARFIELD	1,244	1,211	1,229	1,237	1,244	1,262	1,268
GLACIER	13,578	13,522	13,519	13,283	13,197	13,129	13,208
GOLDEN VALLEY	1,150	1,146	1,103	1,052	1,065	1,015	1,023
GRANITE	2,909	2,932	2,893	2,884	2,867	2,878	2,842
HILL	16,403	16,276	16,345	16,263	16,355	16,530	16,636
JEFFERSON	11,256	11,136	10,857	10,535	10,410	10,219	10,085
JUDITH BASIN	2,142	2,170	2,193	2,192	2,255	2,257	2,336
LAKE	28,606	28,275	27,915	27,364	27,001	26,948	26,632
LEWIS & CLARK	59,302	58,387	57,897	57,123	56,452	56,254	55,883
LIBERTY	1,863	1,967	2,029	2,041	2,020	2,103	2,150
LINCOLN	19,226	19,182	19,021	18,881	18,734	18,727	18,843
MCCONE	1,760	1,776	1,785	1,807	1,841	1,900	1,966
MADISON	7,404	7,252	7,073	6,933	6,965	6,898	6,872
MEAGHER	1,968	1,961	1,997	1,968	1,937	1,954	1,932
MINERAL	4,057	4,033	3,888	3,864	3,811	3,848	3,883
MISSOULA	101,417	100,033	99,031	98,359	97,788	96,692	96,090
MUSSELSHELL	4,586	4,474	4,494	4,482	4,459	4,445	4,500
PARK	16,084	15,965	15,760	15,763	15,830	15,726	15,728
PETROLEUM	474	462	496	493	488	479	492
PHILLIPS	4,098	4,135	4,225	4,257	4,351	4,446	4,557
PONDERA	6,032	6,084	6,096	6,186	6,253	6,356	6,374
POWDER RIVER	1,756	1,714	1,769	1,827	1,827	1,814	1,858
POWELL	6,997	6,968	6,898	6,937	7,037	7,058	7,183
PRAIRIE	1,074	1,090	1,137	1,163	1,185	1,213	1,187
RAVALLI	40,582	39,822	39,417	38,702	37,729	36,906	36,343
RICHLAND	9,295	9,163	9,071	9,166	9,271	9,443	9,628
ROOSEVELT	10,496	10,601	10,610	10,410	10,432	10,574	10,626
ROSEBUD	9,261	9,279	9,228	9,301	9,273	9,272	9,385
SANDERS	11,138	11,009	10,872	10,506	10,430	10,456	10,253
SHERIDAN	3,447	3,517	3,639	3,652	3,804	3,945	4,081
SILVER BOW	32,801	32,876	33,038	33,193	33,431	33,766	34,527
STILLWATER	8,646	8,468	8,411	8,439	8,451	8,375	8,224
SWEET GRASS	3,760	3,698	3,698	3,612	3,624	3,607	3,636
TETON	6,115	6,174	6,254	6,375	6,316	6,410	6,438
TOOLE	5,073	5,174	5,227	5,303	5,415	5,341	5,261
TREASURE	680	694	738	743	774	819	854
VALLEY	6,995	7,144	7,240	7,291	7,394	7,532	7,639
WHEATLAND	1,959	2,025	2,054	2,098	2,168	2,160	2,252
WIBAUX	909	944	977	982	1,000	1,018	1,073
YELLOWSTONE	138,213	136,586	134,740	133,159	131,884	130,581	129,573

SOURCE: POPULATION ESTIMATES AND ENUMERATIONS WERE MADE BY THE U.S. CENSUS BUREAU AND PROVIDED BY THE MONTANA CENSUS AND ECONOMIC INFORMATION CENTER. POPULATION ESTIMATES FOR PREVIOUS YEARS MAY BE REVISED ANNUALLY BY THE U.S. CENSUS BUREAU.

TABLE B-1

**FREQUENCY AND PERCENT* DISTRIBUTION OF LIVE BIRTHS BY INFANT'S SEX,
LEGITIMACY, PLURALITY, AND PARITY
MONTANA RESIDENTS, 2002 - 2006**

ITEM	2006		2005		2004		2003		2002	
	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*	NUMBER	PERCENT*
MONTANA TOTAL	12,499	100.0	11,573	100.0	11,514	100.0	11,384	100.0	11,045	100.0
SEX										
MALE	6,444	51.1	5,918	51.1	5,880	51.1	5,797	50.9	5,616	50.8
FEMALE	6,055	48.9	5,655	48.9	5,633	48.9	5,587	49.1	5,429	49.2
UNKNOWN	-	-	-	-	1	-	-	-	-	-
LEGITIMACY										
IN WEDLOCK	8,000	64.0	7,564	65.4	7,561	65.7	7,717	67.8	7,415	67.1
OUT OF WEDLOCK	4,489	35.9	3,993	34.5	3,938	34.2	3,656	32.1	3,624	32.8
NOT STATED	10	0.1	16	0.1	15	0.1	11	0.1	6	0.1
PLURALITY										
SINGLE	12,092	96.7	11,278	97.5	11,135	96.7	11,072	97.3	10,718	97.0
TWINS	388	3.1	286	2.5	359	3.1	305	2.7	317	2.9
TRIPLETS OR MORE	16	0.1	7	0.1	19	0.2	7	0.1	9	0.1
NOT STATED	3	0.0	2	-	1	-	-	-	1	-
PARITY										
FIRST BIRTH	4,934	39.5	4,524	39.1	4,446	38.6	4,329	38.0	4,313	39.0
SECOND BIRTH	3,724	29.8	3,538	30.6	3,615	31.4	3,620	31.8	3,556	32.2
THIRD BIRTH	2,150	17.2	1,995	17.2	2,023	17.6	2,013	17.7	1,878	17.0
FOURTH BIRTH	984	7.9	898	7.8	868	7.5	814	7.2	763	6.9
FIFTH BIRTH	391	3.1	349	3.0	293	2.5	324	2.8	296	2.7
SIXTH BIRTH	164	1.3	125	1.1	125	1.1	139	1.2	120	1.1
SEVENTH BIRTH	71	0.6	63	0.5	63	0.5	67	0.6	55	0.5
EIGHTH BIRTH	33	0.3	34	0.3	29	0.3	29	0.3	32	0.3
NINTH OR MORE	41	0.3	33	0.3	42	0.4	42	0.4	29	0.3
NOT STATED	7	0.1	14	0.1	10	0.1	7	0.1	3	0.3

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-2

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY TYPE OF FACILITY OR ATTENDANT
AND BY COUNTY OF OCCURRENCE
MONTANA, 2006**

COUNTY	TOTAL	BOA* AND IN HOSPITAL		PHYSICIAN** NOT IN HOSPITAL		OTHER NOT IN HOSPITAL	
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	12,488	12,102	96.9%	12	0.1%	374	3.0%
BEAVERHEAD	83	83	100.0%	-	-	-	-
BIG HORN	232	231	99.6%	-	-	1	0.4%
BLAINE	1	1	100.0%	-	-	-	-
BROADWATER	1	-	-	-	-	1	100.0%
CARBON	1	-	-	-	-	1	100.0%
CARTER	-	-	-	-	-	-	-
CASCADE	1,432	1,399	97.7%	-	-	33	2.3%
CHOUTEAU	1	-	-	-	-	1	100.0%
CUSTER	279	277	99.3%	-	-	2	0.7%
DANIELS	-	-	-	-	-	-	-
DAWSON	99	99	100.0%	-	-	-	-
DEER LODGE	40	40	100.0%	-	-	-	-
FALLON	-	-	-	-	-	-	-
FERGUS	105	104	99.0%	-	-	1	1.0%
FLATHEAD	1,253	1,211	96.6%	-	-	42	3.4%
GALLATIN	1,212	1,147	94.6%	-	-	65	-
GARFIELD	-	-	-	-	-	-	-
GLACIER	223	222	99.6%	-	-	1	0.4%
GOLDEN VALLEY	1	-	-	-	-	1	100.0%
GRANITE	-	-	-	-	-	-	-
HILL	407	404	99.3%	-	-	3	0.7%
JEFFERSON	3	-	-	-	-	3	100.0%
JUDITH BASIN	-	-	-	-	-	-	-
LAKE	344	327	95.1%	-	-	17	4.9%
LEWIS & CLARK	886	878	99.1%	-	-	8	0.9%
LIBERTY	6	6	100.0%	-	-	-	-
LINCOLN	96	84	87.5%	-	-	12	12.5%
MCCONE	-	-	-	-	-	-	-
MADISON	-	-	-	-	-	-	-
MEAGHER	1	-	-	-	-	1	100.0%
MINERAL	1	1	100.0%	-	-	-	-
MISSOULA	1,731	1,663	96.1%	5	0.3%	63	3.6%
MUSSELSHELL	1	-	-	-	-	1	100.0%
PARK	160	129	80.6%	-	-	31	19.4%
PETROLEUM	-	-	-	-	-	-	-
PHILLIPS	-	-	-	-	-	-	-
PONDERA	55	55	100.0%	-	-	-	-
POWDER RIVER	-	-	-	-	-	-	-
POWELL	13	10	76.9%	-	-	3	23.1%
PRAIRIE	-	-	-	-	-	-	-
RAVALLI	212	158	74.5%	-	-	54	25.5%
RICHLAND	104	103	99.0%	-	-	1	1.0%
ROOSEVELT	97	97	100.0%	-	-	-	-
ROSEBUD	10	3	30.0%	7	70.0%	-	-
SANDERS	52	48	92.3%	-	-	4	7.7%
SHERIDAN	18	18	100.0%	-	-	-	-
SILVER BOW	500	500	100.0%	-	-	-	0.0%
STILLWATER	2	1	50.0%	-	-	1	50.0%
SWEET GRASS	-	-	-	-	-	-	-
TETON	2	-	-	-	-	2	100.0%
TOOLE	16	16	100.0%	-	-	-	-
TREASURE	-	-	-	-	-	-	-
VALLEY	171	171	100.0%	-	-	-	-
WHEATLAND	-	-	-	-	-	-	-
WIBAUX	-	-	-	-	-	-	-
YELLOWSTONE	2,629	2,616	99.5%	-	-	13	0.5%
YELLOWSTONE PARK	-	-	-	-	-	-	-
NOT STATED	8	-	-	-	-	8	-

* BORN ON ARRIVAL

** MEDICAL DOCTORS OR DOCTORS OF OSTEOPATHY

TABLE B-3

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS BY BIRTHWEIGHT
AND BY COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	TOTAL	LESS THAN 1,000 GRAMS		1,000 - 1,499 GRAMS		1,500 - 2,499 GRAMS		2,500 - 3,999 GRAMS		4,000 GRAMS OR MORE		NOT STATED	
	NUMBER	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT
MONTANA, TOTAL	12,499	57	0.5	92	0.7	762	6.1	10,593	84.8	991	7.9	4	-
BEAVERHEAD	88	-	-	1	1.1	9	10.2	76	86.4	2	2.3	-	-
BIG HORN	289	2	0.7	1	0.3	18	6.2	220	76.1	48	16.6	-	-
BLAINE	120	-	-	1	0.8	7	5.8	103	85.8	9	7.5	-	-
BROADWATER	41	2	4.9	2	4.9	4	9.8	30	73.2	3	7.3	-	-
CARBON	96	-	-	-	-	8	8.3	84	87.5	4	4.2	-	-
CARTER	5	-	-	1	20.0	-	-	4	80.0	-	-	-	-
CASCADE	1,167	5	0.4	11	0.9	69	5.9	1,015	87.0	67	5.7	-	-
CHOUTEAU	39	-	-	-	-	2	5.1	31	79.5	6	15.4	-	-
CUSTER	164	4	2.4	3	1.8	10	6.1	136	82.9	11	6.7	-	-
DANIELS	9	-	-	-	-	-	-	8	88.9	1	11.1	-	-
DAWSON	102	-	-	-	-	3	2.9	96	94.1	3	2.9	-	-
DEER LODGE	77	-	-	-	-	6	7.8	65	84.4	6	7.8	-	-
FALLON	52	-	-	-	-	6	11.5	44	84.6	2	3.8	-	-
FERGUS	106	-	-	-	-	6	5.7	92	86.8	8	7.5	-	-
FLATHEAD	1,188	7	0.6	9	0.8	59	5.0	999	84.1	113	9.5	1	0.1
GALLATIN	1,214	3	0.2	12	1.0	60	4.9	1,039	85.6	100	8.2	-	-
GARFIELD	19	-	-	-	-	1	5.3	18	94.7	-	-	-	-
GLACIER	246	1	0.4	3	1.2	24	9.8	198	80.5	20	8.1	-	-
GOLDEN VALLEY	7	-	-	-	-	-	-	6	85.7	1	14.3	-	-
GRANITE	24	1	4.2	-	-	2	8.3	20	83.3	1	4.2	-	-
HILL	299	4	1.3	3	1.0	17	5.7	246	82.3	29	9.7	-	-
JEFFERSON	115	1	0.9	1	0.9	5	4.3	102	88.7	6	5.2	-	-
JUDITH BASIN	14	-	-	-	-	1	7.1	13	92.9	-	-	-	-
LAKE	444	2	0.5	5	1.1	34	7.7	368	82.9	35	7.9	-	-
LEWIS & CLARK	787	2	0.3	2	0.3	57	7.2	678	86.1	48	6.1	-	-
LIBERTY	12	-	-	-	-	-	-	11	91.7	1	8.3	-	-
LINCOLN	183	-	-	1	0.5	13	7.1	151	82.5	18	9.8	-	-
MCCONE	14	2	14.3	-	-	1	7.1	10	71.4	1	7.1	-	-
MADISON	56	-	-	-	-	3	5.4	44	78.6	9	16.1	-	-
MEAGHER	26	-	-	-	-	5	19.2	20	76.9	1	3.8	-	-
MINERAL	51	-	-	-	-	2	3.9	46	90.2	3	5.9	-	-
MISSOULA	1,229	1	0.1	11	0.9	72	5.9	1,036	84.3	109	8.9	-	-
MUSSELSHELL	41	1	2.4	-	-	2	4.9	33	80.5	5	12.2	-	-
PARK	153	-	-	-	-	6	3.9	138	90.2	9	5.9	-	-
PETROLEUM	6	-	-	-	-	2	33.3	4	66.7	-	-	-	-
PHILLIPS	41	-	-	-	-	1	2.4	35	85.4	5	12.2	-	-
PONDERA	80	-	-	-	-	1	1.3	76	95.0	3	3.8	-	-
POWDER RIVER	9	-	-	-	-	1	11.1	8	88.9	-	-	-	-
POWELL	55	1	1.8	1	1.8	3	5.5	48	87.3	2	3.6	-	-
PRAIRIE	7	-	-	-	-	-	-	7	100.0	-	-	-	-
RAVALLI	427	-	-	3	0.7	16	3.7	368	86.2	39	9.1	1	0.2
RICHLAND	99	2	2.0	1	1.0	7	7.1	77	77.8	12	12.1	-	-
ROOSEVELT	239	2	0.8	3	1.3	15	6.3	182	76.2	37	15.5	-	-
ROSEBUD	164	2	1.2	-	-	4	2.4	136	82.9	20	12.2	2	1.2
SANDERS	109	-	-	1	0.9	6	5.5	94	86.2	8	7.3	-	-
SHERIDAN	23	-	-	-	-	7	30.4	14	60.9	2	8.7	-	-
SILVER BOW	417	2	0.5	4	1.0	33	7.9	351	84.2	27	6.5	-	-
STILLWATER	101	1	1.0	2	2.0	8	7.9	85	84.2	5	5.0	-	-
SWEET GRASS	39	-	-	1	2.6	1	2.6	35	89.7	2	5.1	-	-
TETON	64	2	3.1	1	1.6	1	1.6	56	87.5	4	6.3	-	-
TOOLE	45	-	-	-	-	3	6.7	39	86.7	3	6.7	-	-
TREASURE	5	-	-	-	-	-	-	5	100.0	-	-	-	-
VALLEY	82	-	-	-	-	7	8.5	64	78.0	11	13.4	-	-
WHEATLAND	19	-	-	-	-	2	10.5	17	89.5	-	-	-	-
WIBAUX	9	-	-	-	-	-	-	9	100.0	-	-	-	-
YELLOWSTONE	1,981	7	0.4	8	0.4	132	6.7	1,702	85.9	132	6.7	-	-
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	-	-	1	100.0	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF THE PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE B-4

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS
BY COMPLETED WEEKS OF GESTATION* AND COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY OF RESIDENCE	TOTAL NUMBER	PRE-TERM						TERM				POST-TERM		NOT STATED	
		28 OR FEWER WEEKS		28-31 WEEKS		32-36 WEEKS		37-39 WEEKS		40-41 WEEKS		42 OR MORE WEEKS		NUMBER	PERCENT
		NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT	NUMBER	PERCENT		
MONTANA, TOTAL	12,499	68	0.5	117	0.9	1,099	8.8	7,091	56.7	4,012	32.1	97	0.8	15	0.1
BEAVERHEAD	88	1	1.1	-	-	8	9.1	58	65.9	21	23.9	-	-	-	-
BIG HORN	289	3	1.0	1	0.3	29	10.0	157	54.3	97	33.6	2	0.7	-	-
BLAINE	120	1	0.8	1	0.8	11	9.2	74	61.7	33	27.5	-	-	-	-
BROADWATER	41	3	7.3	-	-	9	22.0	17	41.5	12	29.3	-	-	-	-
CARBON	96	-	-	1	1.0	12	12.5	62	64.6	21	21.9	-	-	-	-
CARTER	5	-	-	-	-	1	20.0	3	60.0	1	20.0	-	-	-	-
CASCADE	1,167	3	0.3	15	1.3	124	10.6	681	58.4	340	29.1	3	0.3	1	0.1
CHOUTEAU	39	-	-	-	-	7	17.9	22	56.4	10	25.6	-	-	-	-
CUSTER	164	4	2.4	3	1.8	20	12.2	104	63.4	33	20.1	-	-	-	-
DANIELS	9	-	-	-	-	-	-	4	44.4	5	55.6	-	-	-	-
DAWSON	102	-	-	-	-	4	3.9	74	72.5	24	23.5	-	-	-	-
DEER LODGE	77	-	-	-	-	4	5.2	47	61.0	26	33.8	-	-	-	-
FALLON	52	-	-	-	-	10	19.2	33	63.5	9	17.3	-	-	-	-
FERGUS	106	-	-	-	-	6	5.7	60	56.6	37	34.9	3	2.8	-	-
FLATHEAD	1,188	9	0.8	10	0.8	76	6.4	557	46.9	531	44.7	4	0.3	1	0.1
GALLATIN	1,214	2	0.2	12	1.0	86	7.1	675	55.6	422	34.8	14	1.2	3	0.2
GARFIELD	19	-	-	-	-	2	10.5	12	63.2	5	26.3	-	-	-	-
GLACIER	246	2	0.8	1	0.4	22	8.9	63	25.6	153	62.2	4	1.6	1	0.4
GOLDEN VALLEY	7	-	-	-	-	-	-	4	57.1	3	42.9	-	-	-	-
GRANITE	24	1	4.2	-	-	2	8.3	17	70.8	4	16.7	-	-	-	-
HILL	299	4	1.3	3	1.0	20	6.7	206	68.9	65	21.7	-	-	1	0.3
JEFFERSON	115	-	-	2	1.7	7	6.1	66	57.4	39	33.9	1	0.9	-	-
JUDITH BASIN	14	-	-	-	-	2	14.3	8	57.1	3	21.4	1	7.1	-	-
LAKE	444	1	0.2	8	1.8	42	9.5	281	63.3	108	24.3	4	0.9	-	-
LEWIS & CLARK	787	3	0.4	6	0.8	83	10.5	435	55.3	258	32.8	2	0.3	-	-
LIBERTY	12	-	-	-	-	-	-	11	91.7	1	8.3	-	-	-	-
LINCOLN	183	1	0.5	3	1.6	18	9.8	84	45.9	70	38.3	7	3.8	-	-
MCCONE	14	-	-	2	14.3	-	-	11	78.6	1	7.1	-	-	-	-
MADISON	56	-	-	-	-	6	10.7	32	57.1	18	32.1	-	-	-	-
MEAGHER	26	-	-	1	3.8	1	3.8	20	76.9	4	15.4	-	-	-	-
MINERAL	51	-	-	-	-	3	5.9	31	60.8	17	33.3	-	-	-	-
MISSOULA	1,229	4	0.3	14	1.1	112	9.1	724	58.9	359	29.2	12	1.0	4	0.3
MUSSELSHELL	41	1	2.4	-	-	4	9.8	31	75.6	5	12.2	-	-	-	-
PARK	153	-	-	1	0.7	9	5.9	78	51.0	62	40.5	3	2.0	-	-
PETROLEUM	6	-	-	-	-	-	-	5	83.3	1	16.7	-	-	-	-
PHILLIPS	41	-	-	-	-	1	2.4	25	61.0	15	36.6	-	-	-	-
PONDERA	80	-	-	-	-	2	2.5	39	48.8	39	48.8	-	-	-	-
POWDER RIVER	9	-	-	-	-	2	22.2	5	55.6	2	22.2	-	-	-	-
POWELL	55	1	1.8	1	1.8	4	7.3	26	47.3	21	38.2	2	3.6	-	-
PRAIRIE	7	-	-	-	-	-	-	5	71.4	2	28.6	-	-	-	-
RAVALLI	427	2	0.5	3	0.7	33	7.7	259	60.7	123	28.8	5	1.2	2	0.5
RICHLAND	99	2	2.0	2	2.0	9	9.1	61	61.6	24	24.2	1	1.0	-	-
ROOSEVELT	239	5	2.1	3	1.3	26	10.9	112	46.9	85	35.6	8	3.3	-	-
ROSEBUD	164	2	1.2	-	-	17	10.4	103	62.8	41	25.0	1	0.6	-	-
SANDERS	109	-	-	1	0.9	10	9.2	48	44.0	49	45.0	1	0.9	-	-
SHERIDAN	23	-	-	-	-	6	26.1	6	26.1	11	47.8	-	-	-	-
SILVER BOW	417	2	0.5	5	1.2	33	7.9	200	48.0	174	41.7	3	0.7	-	-
STILLWATER	101	-	-	2	2.0	13	12.9	60	59.4	25	24.8	1	1.0	-	-
SWEET GRASS	39	-	-	-	-	2	5.1	24	61.5	13	33.3	-	-	-	-
TETON	64	1	1.6	1	1.6	4	6.3	35	54.7	21	32.8	1	1.6	1	1.6
TOOLE	45	-	-	1	2.2	2	4.4	25	55.6	16	35.6	1	2.2	-	-
TREASURE	5	-	-	-	-	-	-	3	60.0	2	40.0	-	-	-	-
VALLEY	82	-	-	-	-	7	8.5	53	64.6	20	24.4	2	2.4	-	-
WHEATLAND	19	-	-	-	-	-	-	16	84.2	2	10.5	1	5.3	-	-
WIBAUX	9	-	-	-	-	-	-	4	44.4	5	55.6	-	-	-	-
YELLOWSTONE	1,981	10	0.5	14	0.7	188	9.5	1,235	62.3	523	26.4	10	0.5	1	0.1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	-	-	-	-	1	100.0	-	-	-	-

* CLINICAL ESTIMATE OF COMPLETED WEEKS OF GESTATIONAL AGE

TABLE B-5

**FREQUENCY AND PERCENT DISTRIBUTION OF LIVE BIRTHS TO MONTANA RESIDENTS
DELIVERED IN MONTANA BY NUMBER OF CHILDREN BORN ALIVE
AND YEARS OF EDUCATION OF MOTHER
MONTANA, 2006**

EDUCATION OF MOTHER IN YEARS		NUMBER OF LIVE-BORN CHILDREN											
		TOTAL	ONE	TWO	THREE	FOUR	FIVE	SIX	SEVEN	EIGHT	NINE	TEN OR MORE	NOT STATED
TOTAL	NUMBER	12,340	4,859	3,689	2,130	968	386	163	70	31	16	23	5
	PERCENT	100.0	39.4	29.9	17.3	7.8	3.1	1.3	0.6	0.3	0.1	0.2	-
NONE	NUMBER	2	1	-	-	-	1	-	-	-	-	-	-
	PERCENT	100.0	50.0	-	-	-	50.0	-	-	-	-	-	-
LESS THAN 8 YEARS	NUMBER	25	4	9	6	-	3	1	1	-	1	-	-
	PERCENT	100.0	16.0	36.0	24.0	-	12.0	4.0	4.0	-	4.0	-	-
8 YEARS	NUMBER	243	77	50	39	33	22	10	8	2	-	1	1
	PERCENT	100.0	31.7	20.6	16.0	13.6	9.1	4.1	3.3	0.8	-	0.4	0.4
9 YEARS	NUMBER	328	128	83	56	28	16	8	3	4	1	1	-
	PERCENT	100.0	39.0	25.3	17.1	8.5	4.9	2.4	0.9	1.2	0.3	0.3	-
10 YEARS	NUMBER	527	251	132	68	40	14	12	4	3	1	1	1
	PERCENT	100.0	47.6	25.0	12.9	7.6	2.7	2.3	0.8	0.6	0.2	0.2	0.2
11 YEARS	NUMBER	671	278	182	116	53	25	5	5	2	1	3	1
	PERCENT	100.0	41.4	27.1	17.3	7.9	3.7	0.7	0.7	0.3	0.1	0.4	0.1
12 YEARS	NUMBER	4,172	1,604	1,197	756	355	145	65	26	10	6	8	-
	PERCENT	100.0	38.4	28.7	18.1	8.5	3.5	1.6	0.6	0.2	0.1	0.2	-
1 YR COLLEGE	NUMBER	1,087	400	336	212	80	37	9	4	3	2	4	-
	PERCENT	100.0	36.8	30.9	19.5	7.4	3.4	0.8	0.4	0.3	0.2	0.4	-
2 YRS COLLEGE	NUMBER	1,381	461	424	270	141	47	23	11	2	-	2	-
	PERCENT	100.0	33.4	30.7	19.6	10.2	3.4	1.7	0.8	0.1	-	0.1	-
3 YRS COLLEGE	NUMBER	521	194	171	101	41	11	3	-	-	-	-	-
	PERCENT	100.0	37.2	32.8	19.4	7.9	2.1	0.6	-	-	-	-	-
4 YRS COLLEGE	NUMBER	1,966	838	629	297	133	41	11	5	4	4	3	1
	PERCENT	100.0	42.6	32.0	15.1	6.8	2.1	0.6	0.3	0.2	0.2	0.2	0.1
POST GRADUATE	NUMBER	1,369	604	460	202	63	22	13	3	1	-	-	1
	PERCENT	100.0	44.1	33.6	14.8	4.6	1.6	0.9	0.2	0.1	-	-	0.1
NOT STATED	NUMBER	48	19	16	7	1	2	3	-	-	-	-	-
	PERCENT	100.0	39.6	33.3	14.6	2.1	4.2	6.3	-	-	-	-	-

TABLE B-6

**FREQUENCY OF LIVE BIRTHS BY MONTH PRE-NATAL HEALTH CARE BEGAN
AND BY COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	TOTAL	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	No Care	Not Stated
MONTANA, TOTAL	12,499	1,586	5,645	3,071	920	477	224	171	97	43	66	199
BEAVERHEAD	88	5	38	25	13	2	-	3	-	-	-	2
BIG HORN	289	63	68	60	26	18	22	13	4	2	3	10
BLAINE	120	13	42	26	19	11	3	4	2	-	-	-
BROADWATER	41	5	25	8	-	-	2	-	1	-	-	-
CARBON	96	16	44	20	3	4	4	-	-	2	-	3
CARTER	5	-	-	1	-	2	-	-	-	-	-	2
CASCADE	1,167	357	476	211	52	32	14	7	3	-	4	11
CHOUTEAU	39	7	16	10	3	1	-	-	-	-	-	2
CUSTER	164	4	72	58	14	6	2	3	1	-	1	3
DANIELS	9	1	2	1	1	1	-	-	1	-	-	2
DAWSON	102	15	43	27	6	5	1	1	-	-	-	4
DEER LODGE	77	7	42	12	8	4	2	1	-	1	-	-
FALLON	52	3	22	17	2	4	1	-	-	-	-	3
FERGUS	106	6	35	47	10	3	2	-	1	2	-	-
FLATHEAD	1,188	87	504	386	105	37	26	17	11	5	7	3
GALLATIN	1,214	74	601	385	82	41	6	7	6	4	3	5
GARFIELD	19	3	7	6	1	-	-	-	-	-	-	2
GLACIER	246	35	75	60	32	12	6	6	3	3	2	12
GOLDEN VALLEY	7	-	1	3	1	1	-	1	-	-	-	-
GRANITE	24	2	13	7	1	-	-	1	-	-	-	-
HILL	299	18	123	80	33	17	7	10	3	2	3	3
JEFFERSON	115	11	66	22	6	2	2	1	3	-	2	-
JUDITH BASIN	14	2	6	5	-	1	-	-	-	-	-	-
LAKE	444	51	163	127	34	22	17	9	7	5	4	5
LEWIS & CLARK	787	122	434	138	46	25	10	4	6	1	-	1
LIBERTY	12	2	9	-	1	-	-	-	-	-	-	-
LINCOLN	183	17	57	65	16	10	2	1	4	-	1	10
MCCONE	14	-	3	6	5	-	-	-	-	-	-	-
MADISON	56	2	28	17	-	3	1	3	-	-	-	2
MEAGHER	26	1	8	9	2	4	2	-	-	-	-	-
MINERAL	51	4	18	18	3	5	-	2	-	-	-	1
MISSOULA	1,229	71	646	346	69	39	13	12	5	5	4	19
MUSSELSHELL	41	7	16	11	4	2	-	-	-	-	-	1
PARK	153	10	88	32	13	5	-	-	1	-	1	3
PETROLEUM	6	-	2	3	-	1	-	-	-	-	-	-
PHILLIPS	41	-	16	10	9	4	1	1	-	-	-	-
PONDERA	80	14	29	22	5	4	1	3	-	-	1	1
POWDER RIVER	9	-	4	-	1	-	1	-	-	-	-	3
POWELL	55	4	27	14	4	4	-	1	-	-	-	1
PRAIRIE	7	-	2	3	2	-	-	-	-	-	-	-
RAVALLI	427	80	193	89	32	11	7	5	5	1	3	1
RICHLAND	99	10	41	14	6	2	1	1	-	-	-	24
ROOSEVELT	239	12	73	48	40	19	7	11	4	1	3	21
ROSEBUD	164	13	66	32	13	13	8	5	3	1	5	5
SANDERS	109	11	44	24	7	2	2	1	1	-	2	15
SHERIDAN	23	7	7	1	-	1	-	-	-	-	-	7
SILVER BOW	417	5	263	76	34	21	4	5	5	2	2	-
STILLWATER	101	16	53	15	9	2	3	1	-	-	2	-
SWEET GRASS	39	9	17	6	-	3	1	1	1	1	-	-
TETON	64	9	28	18	3	2	1	2	-	-	1	-
TOOLE	45	3	18	15	5	-	-	1	1	-	1	1
TREASURE	5	1	1	1	1	-	1	-	-	-	-	-
VALLEY	82	7	53	10	5	1	2	2	2	-	-	-
WHEATLAND	19	3	5	2	2	5	1	1	-	-	-	-
WIBAUX	9	-	2	2	1	1	-	-	-	-	-	3
YELLOWSTONE	1,981	361	910	420	130	61	38	24	13	5	11	8
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	1	-	-	-	-	1	-	-	-	-	-	-

* EACH PERCENTAGE HAS BEEN INDEPENDENTLY ROUNDED TO THE NEAREST TENTH OF ONE PERCENT. HENCE, THE SUMS OF PARTS MAY DIFFER SLIGHTLY FROM THE TOTALS.

TABLE D-1

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
ALL CAUSES	8,435	4,273	4,162	39	31	3	5	6	5	8	6	9	5
CERTAIN INFECTIOUS AND PARASITIC DISEASES	144	75	69	1	-	1	-	-	-	-	1	-	-
__INTESTINAL INFECTIOUS DISEASES	15	7	8	1	-	-	-	-	-	-	-	-	-
__OTHER INTESTINAL INFECTIOUS DISEASES	15	7	8	1	-	-	-	-	-	-	-	-	-
(7) INTESTINAL INFECTIONS DUE TO OTHER SPECIFIED ORGANISMS	15	7	8	1	-	-	-	-	-	-	-	-	-
__TUBERCULOSIS	1	1	-	-	-	-	-	-	-	-	-	-	-
(9) RESPIRATORY	1	1	-	-	-	-	-	-	-	-	-	-	-
__ZOO NOTIC AND OTHER BACTERIAL DISEASES	74	36	38	-	-	-	-	-	-	-	1	-	-
(18) SEPTICEMIA	71	36	35	-	-	-	-	-	-	-	-	-	-
(19) OTHER ZOO NOTIC AND BACTERIAL DISEASES	3	-	3	-	-	-	-	-	-	-	1	-	-
__VIRAL DISEASES	34	18	16	-	-	1	-	-	-	-	-	-	-
(32) OTHER AND UNSPECIFIED ARTHROPOD-BORNE VIRAL AND HEMORRHAGIC FEVERS	1	1	-	-	-	-	-	-	-	-	-	-	-
(34) ZOSTER (HERPES ZOSTER)	1	-	1	-	-	-	-	-	-	-	-	-	-
(38) VIRAL HEPATITIS	24	11	13	-	-	-	-	-	-	-	-	-	-
HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	6	5	1	-	-	-	-	-	-	-	-	-	-
(39) RESULTING IN INFECTIOUS AND PARASITIC DISEASE	2	1	1	-	-	-	-	-	-	-	-	-	-
(40) RESULTING IN MALIGNANT NEOPLASMS	1	1	-	-	-	-	-	-	-	-	-	-	-
(41) RESULTING IN OTHER SPECIFIED DISEASES	1	1	-	-	-	-	-	-	-	-	-	-	-
(42) RESULTING IN OTHER CONDITIONS	1	1	-	-	-	-	-	-	-	-	-	-	-
(43) UNSPECIFIED HUMAN IMMUNODEFICIENCY VIRUS (HIV) DISEASE	1	1	-	-	-	-	-	-	-	-	-	-	-
(44) ALL OTHER AND UNSPECIFIED VIRAL DISEASES	2	1	1	-	-	1	-	-	-	-	-	-	-
__OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	20	13	7	-	-	-	-	-	-	-	-	-	-
(48) MYCOSES	1	1	-	-	-	-	-	-	-	-	-	-	-
(54) SEQUELAE OF POLIOMYELITIS	5	4	1	-	-	-	-	-	-	-	-	-	-
(55) ALL OTHER AND UNSPECIFIED INFECTIONS AND PARASITIC DISEASES AND THEIR SEQUELAE	14	8	6	-	-	-	-	-	-	-	-	-	-
NEOPLASMS	2,002	1,062	940	-	-	-	1	-	-	1	2	2	2
__MALIGNANT NEOPLASMS	1,940	1,023	917	-	-	-	1	-	-	1	2	2	1
MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	25	18	7	-	-	-	-	-	-	-	-	-	-
(57) OF TONGUE	3	2	1	-	-	-	-	-	-	-	-	-	-
(58) OF PHARYNX	12	9	3	-	-	-	-	-	-	-	-	-	-
(59) OF OTHER AND UNSPECIFIED SITES WITHIN THE LIP, ORAL CAVITY AND PHARYNX	10	7	3	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF DIGESTIVE ORGANS	485	264	221	-	-	-	-	-	-	-	-	-	-
(60) OF ESOPHAGUS	57	45	12	-	-	-	-	-	-	-	-	-	-
(61) OF STOMACH	32	21	11	-	-	-	-	-	-	-	-	-	-
(62) OF SMALL INTESTINE	2	-	2	-	-	-	-	-	-	-	-	-	-
OF COLON, RECTUM AND ANUS	204	100	104	-	-	-	-	-	-	-	-	-	-
(63) COLON	162	79	83	-	-	-	-	-	-	-	-	-	-
(64) RECTOSIGMOID JUNCTION AND RECTUM	39	21	18	-	-	-	-	-	-	-	-	-	-
(65) ANUS AND ANAL CANAL	3	-	3	-	-	-	-	-	-	-	-	-	-
OF LIVER AND INTRAHEPATIC BILE DUCTS	46	25	21	-	-	-	-	-	-	-	-	-	-
(66) LIVER	36	21	15	-	-	-	-	-	-	-	-	-	-
(67) INTRAHEPATIC BILE DUCT CARCINOMA	10	4	6	-	-	-	-	-	-	-	-	-	-
(68) OF GALLBLADDER AND EXTRAHEPATIC BILE DUCTS	11	4	7	-	-	-	-	-	-	-	-	-	-
(69) OF PANCREAS	128	66	62	-	-	-	-	-	-	-	-	-	-
(70) OF OTHER AND ILL-DEFINED DIGESTIVE ORGANS	5	3	2	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF RESPIRATORY AND INTRATHORACIC ORGANS	529	290	239	-	-	-	-	-	-	-	-	-	-
(72) OF LARYNX	5	3	2	-	-	-	-	-	-	-	-	-	-
(73) OF TRACHEA, BRONCHUS AND LUNG	524	287	237	-	-	-	-	-	-	-	-	-	-
(76) MALIGNANT NEOPLASMS OF BONE AND ARTICULAR CARTILAGE	5	-	5	-	-	-	-	-	-	-	-	-	-
MELANOMA AND OTHER MALIGNANT NEOPLASMS OF SKIN	38	28	10	-	-	-	-	-	-	-	-	-	-
(77) MALIGNANT MELANOMA OF SKIN	29	19	10	-	-	-	-	-	-	-	-	-	-
(78) OTHER MALIGNANT NEOPLASMS OF SKIN	9	9	-	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF MESOTHELIAL AND SOFT TISSUE	30	12	18	-	-	-	-	-	-	-	1	-	-
(79) MESOTHELIOMA	9	7	2	-	-	-	-	-	-	-	-	-	-
(81) OF OTHER MESOTHELIAL AND SOFT TISSUE	21	5	16	-	-	-	-	-	-	-	1	-	-
(82) MALIGNANT NEOPLASM OF BREAST	111	-	111	-	-	-	-	-	-	-	-	-	-
MALIGNANT NEOPLASMS OF FEMALE GENITAL ORGANS	96	-	96	-	-	-	-	-	-	-	-	-	-
(83) OF VULVA AND VAGINA	7	-	7	-	-	-	-	-	-	-	-	-	-
(84) OF CERVIX UTERI	10	-	10	-	-	-	-	-	-	-	-	-	-
(85) OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	28	-	28	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(86) OF OVARY	50	-	50	-	-	-	-	-	-	-	-	-	-
___(87) OF OTHER AND UNSPECIFIED FEMALE GENITAL ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MALE GENITAL ORGANS	129	129	-	-	-	-	-	-	-	-	-	-	-
___(89) OF PROSTATE	129	129	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF URINARY TRACT	82	55	27	-	-	-	-	-	-	-	-	-	-
___(92) OF KIDNEY AND RENAL PELVIS	42	25	17	-	-	-	-	-	-	-	-	-	-
___(93) OF BLADDER	39	30	9	-	-	-	-	-	-	-	-	-	-
___(94) OF OTHER AND UNSPECIFIED SITES WITHIN THE URINARY TRACT	1	-	1	-	-	-	-	-	-	-	-	-	-
___(95) MALIGNANT NEOPLASM OF EYE AND ADNEXA	1	1	-	-	-	-	-	-	-	-	-	-	-
___MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	49	31	18	-	-	-	-	-	-	-	-	2	1
___(96) OF BRAIN	48	31	17	-	-	-	-	-	-	-	-	2	-
___(97) OF OTHER PARTS OF CENTRAL NERVOUS SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1
___(98) MALIGNANT NEOPLASMS OF THYROID AND OTHER ENDOCRINE GLANDS	7	4	3	-	-	-	-	-	-	-	-	-	-
___(99) OTHER MALIGNANT NEOPLASMS OF OTHER AND UNSPECIFIED SITES	159	78	81	-	-	-	-	-	-	-	1	-	-
___MALIGNANT NEOPLASMS OF LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	194	113	81	-	-	-	1	-	-	1	-	-	-
___(100) HODGKIN'S DISEASE	3	2	1	-	-	-	-	-	-	-	-	-	-
___OF OTHER LYMPHOID, HEMATOPOIETIC AND RELATED TISSUE	69	39	30	-	-	-	-	-	-	-	-	-	-
___(101) NON-HODGKIN'S LYMPHOMA	69	39	30	-	-	-	-	-	-	-	-	-	-
___(103) MALIGNANT IMMUNOPROLIFERATIVE DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	-
___(104) MULTIPLE MYELOMA AND MALIGNANT PLASMA CELL NEOPLASMS	32	20	12	-	-	-	-	-	-	-	-	-	-
___LEUKEMIA	89	52	37	-	-	-	1	-	-	1	-	-	-
___(105) LYMPHOID LEUKEMIA	26	18	8	-	-	-	1	-	-	-	-	-	-
___(106) MYELOID LEUKEMIA	45	24	21	-	-	-	-	-	-	-	-	-	-
___(107) MONOCYTIC LEUKEMIA	1	1	-	-	-	-	-	-	-	-	-	-	-
___(108) OTHER AND UNSPECIFIED LEUKEMIA	17	9	8	-	-	-	-	-	-	1	-	-	-
___BENIGN NEOPLASMS	4	1	3	-	-	-	-	-	-	-	-	-	-
___(112) OF EYE, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	2	-	2	-	-	-	-	-	-	-	-	-	-
___(113) OF OTHER AND UNSPECIFIED SITES	2	1	1	-	-	-	-	-	-	-	-	-	-
___(114) NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR OF SPECIFIED SITES	54	36	18	-	-	-	-	-	-	-	-	-	-
___(115) NEOPLASM OF UNCERTAIN OR UNKNOWN BEHAVIOR OF UNSPECIFIED SITES	4	2	2	-	-	-	-	-	-	-	-	-	1
DISEASES OF THE BLOOD AND BLOOD FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	25	8	17	1	-	-	-	-	-	-	-	-	-
___ANEMIAS	12	4	8	-	-	-	-	-	-	-	-	-	-
___(118) APLASTIC ANEMIAS	5	2	3	-	-	-	-	-	-	-	-	-	-
___(119) ACUTE POSTHEMORRHAGIC AND OTHER ANEMIAS	7	2	5	-	-	-	-	-	-	-	-	-	-
___(120) COAGULATION DEFECTS, PURPURA AND OTHER HEMORRHAGIC CONDITIONS	7	2	5	-	-	-	-	-	-	-	-	-	-
___(121) OTHER DISEASES OF BLOOD AND BLOOD-FORMING ORGANS	4	2	2	1	-	-	-	-	-	-	-	-	-
___(122) CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	2	-	2	-	-	-	-	-	-	-	-	-	-
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	338	169	169	-	1	-	-	-	1	-	1	-	-
___ENDOCRINE DISEASES	261	138	123	-	-	-	-	-	-	-	-	-	-
___(123) DISORDERS OF THYROID GLAND	5	1	4	-	-	-	-	-	-	-	-	-	-
___(124) DIABETES MELLITUS	251	133	118	-	-	-	-	-	-	-	-	-	-
___(125) DISORDERS OF PITUITARY GLAND	1	1	-	-	-	-	-	-	-	-	-	-	-
___(126) DISORDERS OF ADRENAL GLANDS	2	2	-	-	-	-	-	-	-	-	-	-	-
___(128) OTHER ENDOCRINE DISEASES	2	1	1	-	-	-	-	-	-	-	-	-	-
___NUTRITIONAL DISEASES	28	9	19	-	-	-	-	-	-	-	-	-	-
___MALNUTRITION	10	1	9	-	-	-	-	-	-	-	-	-	-
___(130) OTHER AND UNSPECIFIED MALNUTRITION	10	1	9	-	-	-	-	-	-	-	-	-	-
___(132) OBESITY AND OTHER HYPERALIMENTATION	18	8	10	-	-	-	-	-	-	-	-	-	-
___METABOLIC DISORDERS	49	22	27	-	1	-	-	-	1	-	1	-	-
___(134) VOLUME DEPLETION, DISORDERS OF FLUID, ELECTROLYTE AND ACID-BASE BALANCE	18	7	11	-	-	-	-	-	-	-	-	-	-
___(135) OTHER METABOLIC DISORDERS	31	15	16	-	1	-	-	-	1	-	1	-	-
MENTAL AND BEHAVIORAL DISORDERS	447	174	273	-	-	-	-	-	-	-	-	-	-
___(136) ORGANIC DEMENTIA	345	110	235	-	-	-	-	-	-	-	-	-	-
___(137) OTHER AND UNSPECIFIED ORGANIC MENTAL DISORDERS	4	-	4	-	-	-	-	-	-	-	-	-	-
___MENTAL AND BEHAVIORAL DISORDERS DUE TO PSYCHOACTIVE SUBSTANCE USE	86	57	29	-	-	-	-	-	-	-	-	-	-
___(138) MENTAL AND BEHAVIORAL DISORDERS DUE TO USE OF ALCOHOL	60	45	15	-	-	-	-	-	-	-	-	-	-
___(139) MENTAL AND BEHAVIORAL DISORDERS DUE TO OTHER PSYCHOACTIVE SUBSTANCE USE	26	12	14	-	-	-	-	-	-	-	-	-	-
___(140) SCHIZOPHRENIA, SCHIZOTYPAL AND DELUSIONAL DISORDERS	4	2	2	-	-	-	-	-	-	-	-	-	-
___(141) MOOD (AFFECTIVE) DISORDERS	5	3	2	-	-	-	-	-	-	-	-	-	-
___(143) MENTAL RETARDATION	2	2	-	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
___(144) OTHER AND UNSPECIFIED MENTAL AND BEHAVIORAL DISORDERS	1	-	1	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE NERVOUS SYSTEM	414	157	257	1	-	-	1	-	-	1	1	-	1
___(145) MENINGITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
___(146) OTHER INFLAMMATORY DISEASES OF CENTRAL NERVOUS SYSTEM	3	1	2	-	-	-	-	-	-	-	-	-	-
___(147) PARKINSON'S DISEASE	68	37	31	-	-	-	-	-	-	-	-	-	-
___(148) ALZHEIMER'S DISEASE	226	55	171	-	-	-	-	-	-	-	-	-	-
___(149) MULTIPLE SCLEROSIS	27	6	21	-	-	-	-	-	-	-	-	-	-
___(150) EPILEPSY	7	4	3	-	-	-	-	-	-	-	-	-	-
___(151) TRANSIENT CEREBRAL ISCHEMIC ATTACKS AND RELATED SYNDROMES	1	-	1	-	-	-	-	-	-	-	-	-	-
___(152) INFANTILE CEREBRAL PALSY	4	2	2	-	-	-	-	-	-	1	-	-	1
___(153) ALL OTHER DISEASES OF NERVOUS SYSTEM	77	51	26	1	-	-	1	77	-	1	1	-	-
(155) DISEASES OF THE EAR AND MASTOID PROCESS	1	1	-	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE CIRCULATORY SYSTEM	2,474	1,257	1,217	-	-	-	-	-	-	-	-	1	-
___ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASE	9	1	8	-	-	-	-	-	-	-	-	-	-
___CHRONIC RHEUMATIC HEART DISEASES	9	1	8	-	-	-	-	-	-	-	-	-	-
___157) RHEUMATIC MITRAL VALVE DISEASE	4	1	3	-	-	-	-	-	-	-	-	-	-
___(159) DISORDERS OF BOTH MITRAL AND AORTIC VALVES	2	-	2	-	-	-	-	-	-	-	-	-	-
___(160) OTHER CHRONIC RHEUMATIC HEART DISEASE	3	-	3	-	-	-	-	-	-	-	-	-	-
___HYPERTENSIVE DISEASES	115	52	63	-	-	-	-	-	-	-	-	-	-
___(161) ESSENTIAL (PRIMARY) HYPERTENSION	35	15	20	-	-	-	-	-	-	-	-	-	-
___(162) HYPERTENSIVE HEART DISEASE	57	27	30	-	-	-	-	-	-	-	-	-	-
___(163) HYPERTENSIVE RENAL DISEASE	18	8	10	-	-	-	-	-	-	-	-	-	-
___(164) HYPERTENSIVE HEART AND RENAL FAILURE	5	2	3	-	-	-	-	-	-	-	-	-	-
___ISCHEMIC HEART DISEASES	1,084	640	444	-	-	-	-	-	-	-	-	-	-
___(165) ACUTE MYOCARDIAL INFARCTION	357	206	151	-	-	-	-	-	-	-	-	-	-
___(166) OTHER ACUTE ISCHEMIC HEART DISEASES	5	2	3	-	-	-	-	-	-	-	-	-	-
___OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	722	432	290	-	-	-	-	-	-	-	-	-	-
___(167) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	166	103	63	-	-	-	-	-	-	-	-	-	-
___(168) ALL OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	556	329	227	-	-	-	-	-	-	-	-	-	-
___OTHER HEART DISEASES	702	329	373	-	-	-	-	-	-	-	-	1	-
___PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	38	15	23	-	-	-	-	-	-	-	-	-	-
___(169) PULMONARY EMBOLISM	22	10	12	-	-	-	-	-	-	-	-	-	-
___(170) OTHER PULMONARY HEART DISEASE AND DISEASES OF PULMONARY CIRCULATION	16	5	11	-	-	-	-	-	-	-	-	-	-
___OTHER NON-PULMONARY FORMS OF HEART DISEASE	664	314	350	-	-	-	-	-	-	-	-	1	-
___(171) ACUTE AND SUBACUTE ENDOCARDITIS	2	-	2	-	-	-	-	-	-	-	-	-	-
___(172) DISEASES OF PERICARDIUM AND ACUTE MYOCARDITIS	6	5	1	-	-	-	-	-	-	-	-	-	-
___OTHER DISEASES OF ENDOCARDIUM	89	42	47	-	-	-	-	-	-	-	-	1	-
___(173) NONRHEUMATIC MITRAL VALVE DISORDERS	10	4	6	-	-	-	-	-	-	-	-	-	-
___(174) NONRHEUMATIC AORTIC VALVE DISORDERS	54	27	27	-	-	-	-	-	-	-	-	1	-
___(175) ALL OTHER DISEASES OF ENDOCARDIUM	25	11	14	-	-	-	-	-	-	-	-	-	-
___(176) CARDIOMYOPATHY	55	38	17	-	-	-	-	-	-	-	-	-	-
___(177) CONDUCTION DISORDERS AND CARDIAC DYSRHYTHMIAS	140	65	75	-	-	-	-	-	-	-	-	-	-
___HEART FAILURE	335	139	196	-	-	-	-	-	-	-	-	-	-
___(178) CONGESTIVE HEART FAILURE	316	134	182	-	-	-	-	-	-	-	-	-	-
___(179) OTHER AND UNSPECIFIED HEART FAILURE	19	5	14	-	-	-	-	-	-	-	-	-	-
___(180) MYOCARDITIS, UNSPECIFIED AND MYOCARDIAL DEGENERATION	1	1	-	-	-	-	-	-	-	-	-	-	-
___(181) ALL OTHER AND ILL-DEFINED FORMS OF HEART DISEASE	36	24	12	-	-	-	-	-	-	-	-	-	-
___CEREBROVASCULAR DISEASE	458	181	277	-	-	-	-	-	-	-	-	-	-
___(182) SUBARACHNOID HEMORRHAGE	18	7	11	-	-	-	-	-	-	-	-	-	-
___(183) INTRACEREBRAL AND OTHER INTRACRANIAL HEMORRHAGE	89	35	54	-	-	-	-	-	-	-	-	-	-
___(184) CEREBRAL INFARCTION	12	1	11	-	-	-	-	-	-	-	-	-	-
___(185) STROKE, NOT SPECIFIED AS HEMORRHAGE OR INFARCTION	254	101	153	-	-	-	-	-	-	-	-	-	-
___(186) OTHER CEREBROVASCULAR DISEASES AND THEIR SEQUELAE	85	37	48	-	-	-	-	-	-	-	-	-	-
___DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	94	51	43	-	-	-	-	-	-	-	-	-	-
___(187) ATHEROSCLEROSIS	31	13	18	-	-	-	-	-	-	-	-	-	-
___(188) AORTIC ANEURYSM AND DISSECTION	37	23	14	-	-	-	-	-	-	-	-	-	-
___(189) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	26	15	11	-	-	-	-	-	-	-	-	-	-
___OTHER DISORDERS OF CIRCULATORY SYSTEM	12	3	9	-	-	-	-	-	-	-	-	-	-
___(190) PHLEBITIS, THROMBOPHLEBITIS, VENOUS EMBOLISM AND THROMBOSIS	7	2	5	-	-	-	-	-	-	-	-	-	-
___(191) ALL OTHER AND UNSPECIFIED DISORDERS OF CIRCULATORY SYSTEM	5	1	4	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
DISEASES OF THE RESPIRATORY SYSTEM	945	439	506	1	-	-	1	1	-	1	1	-	-
__ACUTE UPPER RESPIRATORY INFECTIONS	1	1	-	-	-	-	-	-	-	1	-	-	-
__ (194) OTHER AND UNSPECIFIED ACUTE UPPER RESPIRATORY INFECTIONS	1	1	-	-	-	-	-	-	-	1	-	-	-
__OTHER DISEASES OF THE RESPIRATORY SYSTEM	944	438	506	1	-	-	1	1	-	-	1	-	-
__ (195) INFLUENZA	6	2	4	-	-	-	-	-	-	-	-	-	-
__PNEUMONIA	164	77	87	-	-	-	-	-	-	-	-	-	-
__ (197) BACTERIAL PNEUMONIA	8	2	6	-	-	-	-	-	-	-	-	-	-
__ (198) PNEUMONIA DUE TO OTHER OR UNSPECIFIED ORGANISMS	156	75	81	-	-	-	-	-	-	-	-	-	-
__ (201) OTHER DISEASES OF UPPER RESPIRATORY TRACT	1	1	-	-	-	-	-	-	-	-	-	-	-
__CHRONIC LOWER RESPIRATORY DISEASE	576	259	317	-	-	-	-	-	-	-	1	-	-
__ BRONCHITIS, CHRONIC AND UNSPECIFIED, EMPHYSEMA AND ASTHMA	574	258	316	-	-	-	-	-	-	-	1	-	-
__ (202) BRONCHITIS, NOT SPECIFIED AS ACUTE OR CHRONIC	1	1	-	-	-	-	-	-	-	-	-	-	-
__ (203) CHRONIC BRONCHITIS	1	-	1	-	-	-	-	-	-	-	-	-	-
__ (204) EMPHYSEMA	48	21	27	-	-	-	-	-	-	-	-	-	-
__ (205) OTHER CHRONIC OBSTRUCTIVE PULMONARY DISEASE	508	233	275	-	-	-	-	-	-	-	-	-	-
__ (206) ASTHMA	16	3	13	-	-	-	-	-	-	-	1	-	-
__ (207) BRONCHIECTASIS	2	1	1	-	-	-	-	-	-	-	-	-	-
__LUNG DISEASES DUE TO EXTERNAL AGENTS	77	39	38	-	-	-	1	-	-	-	-	-	-
__ (208) PNEUMONCONIOSES AND CHEMICAL EFFECTS	5	3	2	-	-	-	-	-	-	-	-	-	-
__PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	72	36	36	-	-	-	1	-	-	-	-	-	-
__ (209) PNEUMONITIS DUE TO FOOD AND VOMIT	72	36	36	-	-	-	1	-	-	-	-	-	-
__ (212) SUPPURATIVE AND NECROTIC CONDITIONS OF LOWER RESPIRATORY TRACT	3	2	1	-	-	-	-	-	-	-	-	-	-
__ (213) PLEURAL EFFUSION AND PLAQUE	2	-	2	-	-	-	-	-	-	-	-	-	-
__ (214) ALL OTHER DISEASES OF RESPIRATORY SYSTEM	115	58	57	1	-	-	-	1	-	-	-	-	-
DISEASES OF THE DIGESTIVE SYSTEM	331	148	183	-	2	-	-	-	-	-	-	-	-
__DISEASES OF OTHER PARTS OF DIGESTIVE SYSTEM	331	148	183	-	2	-	-	-	-	-	-	-	-
__ (216) DISEASES OF ESOPHAGUS	7	3	4	-	-	-	-	-	-	-	-	-	-
__PEPTIC ULCER	12	6	6	-	-	-	-	-	-	-	-	-	-
__ (217) GASTRIC ULCER	5	2	3	-	-	-	-	-	-	-	-	-	-
__ (218) DUODENAL ULCER	5	3	2	-	-	-	-	-	-	-	-	-	-
__ (219) PEPTIC ULCER, SITE UNSPECIFIED	2	1	1	-	-	-	-	-	-	-	-	-	-
__ (221) GASTRITIS AND DUODENITIS	1	1	-	-	-	-	-	-	-	-	-	-	-
__ (222) DYSPEPSIA AND OTHER DISEASES OF STOMACH AND DUODENUM	4	1	3	-	-	-	-	-	-	-	-	-	-
__ (224) HENIA	9	5	4	-	-	-	-	-	-	-	-	-	-
__ (225) CROHN'S DISEASE AND ULCERATIVE COLITIS	4	3	1	-	-	-	-	-	-	-	-	-	-
__ (226) VASCULAR DISORDERS AND OBSTRUCTION OF INTESTINE WITHOUT HERNIA	63	21	42	-	-	-	-	-	-	-	-	-	-
__ (227) DIVERTICULAR DISEASE OF INTESTINE	12	5	7	-	-	-	-	-	-	-	-	-	-
__ (228) OTHER DISEASES OF INTESTINES AND PERITONEUM	25	8	17	-	1	-	-	-	-	-	-	-	-
__ (229) DISEASES OF PERITONEUM	3	1	2	-	-	-	-	-	-	-	-	-	-
__DISEASES OF LIVER	142	70	72	-	1	-	-	-	-	-	-	-	-
__ (230) ALCHOLIC LIVER DISEASE	73	44	29	-	-	-	-	-	-	-	-	-	-
__ (232) FIBROSIS AND CIRRHOSIS OF LIVER	39	14	25	-	-	-	-	-	-	-	-	-	-
__ (233) OTHER DISEASES OF LIVER	30	12	18	-	1	-	-	-	-	-	-	-	-
__ (234) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	7	4	3	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF BILIARY TRACT AND PANCREAS	14	8	6	-	-	-	-	-	-	-	-	-	-
__ (235) PANCREATITIS	10	6	4	-	-	-	-	-	-	-	-	-	-
__ (236) OTHER DISORDERS OF BILIARY TRACT AND PANCREAS	4	2	2	-	-	-	-	-	-	-	-	-	-
__ (237) ALL OTHER DISEASES OF DIGESTIVE SYSTEM	28	12	16	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE SKIN AND SUBCUTANEOUS TISSUE	12	7	5	-	-	-	-	-	-	-	-	-	-
__ (238) INFECTIONS OF SKIN AND SUBCUTANEOUS TISSUE	8	6	2	-	-	-	-	-	-	-	-	-	-
__ (239) OTHER AND UNSPECIFIED DISEASES OF SKIN AND SUBCUTANEOUS TISSUE	4	1	3	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	79	27	52	-	-	-	-	-	-	-	-	-	-
__ (240) RHEUMATOID ARTHRITIS AND RELATED INFLAMMATORY POLYARTHRITIS	25	10	15	-	-	-	-	-	-	-	-	-	-
__ (241) SYSTEMIC LUPUS ERYTHEMATOSUS	2	-	2	-	-	-	-	-	-	-	-	-	-
__ (242) OTHER ARTHROPATHIES AND RELATED DISORDERS	20	6	14	-	-	-	-	-	-	-	-	-	-
__ (243) DORSOPATHIES	8	3	5	-	-	-	-	-	-	-	-	-	-
__ (244) SOFT TISSUE DISORDERS	4	3	1	-	-	-	-	-	-	-	-	-	-
__OSTEOPATHIES, CHONDROPATHIES AND OTHER DISORDERS OF MUSCULOSKELETAL SYSTEM AND CONNECTIVE TISSUE	20	5	15	-	-	-	-	-	-	-	-	-	-
__ (245) OSTEOPOROSIS	13	1	12	-	-	-	-	-	-	-	-	-	-
DISEASES OF THE GENITOURINARY SYSTEM	186	89	97	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
__DISEASES OF URINARY SYSTEM	180	86	94	-	-	-	-	-	-	-	-	-	-
__ GLOMERULAR AND RENAL TUBULO-INTERSTITIAL DISEASES	13	4	9	-	-	-	-	-	-	-	-	-	-
__ GLOMERULAR DISEASES	7	3	4	-	-	-	-	-	-	-	-	-	-
__ (247) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC SYNDROME	1	1	-	-	-	-	-	-	-	-	-	-	-
__ (248) NEPHROTIC SYNDROME	1	-	1	-	-	-	-	-	-	-	-	-	-
__ (249) OTHER AND UNSPECIFIED GLOMERULAR DISEASES	5	2	3	-	-	-	-	-	-	-	-	-	-
__ (250) RENAL TUBULO-INTERSTITIAL DISEASES	6	1	5	-	-	-	-	-	-	-	-	-	-
__ (251) RENAL FAILURE	124	65	59	-	-	-	-	-	-	-	-	-	-
__ (252) UROLITHIASIS	1	1	-	-	-	-	-	-	-	-	-	-	-
__ (253) OTHER AND UNSPECIFIED DISORDERS OF KIDNEY	1	1	-	-	-	-	-	-	-	-	-	-	-
__ (254) URINARY TRACT INFECTIONS, SITE NOT SPECIFIED	37	12	25	-	-	-	-	-	-	-	-	-	-
__ (255) OTHER DISEASES OF URINARY TRACT	4	3	1	-	-	-	-	-	-	-	-	-	-
__DISEASES OF MALE GENITAL ORGANS	3	3	-	-	-	-	-	-	-	-	-	-	-
__ (256) HYPERPLASIA OF PROSTATE	3	3	-	-	-	-	-	-	-	-	-	-	-
__ (258) DISORDERS OF BREAST	1	-	1	-	-	-	-	-	-	-	-	-	-
__DISORDERS OF FEMALE GENITAL ORGANS	2	-	2	-	-	-	-	-	-	-	-	-	-
__ (259)INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	-	1	-	-	-	-	-	-	-	-	-	-
__ (260) NONINFLAMMATORY DISORDERS OF FEMALE GENITAL TRACT	1	-	1	-	-	-	-	-	-	-	-	-	-
__ (273) INDIRECT OBSTETRIC DEATHS	2	-	2	-	-	-	-	-	-	-	-	-	-
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	18	9	9	9	9	-	-	-	-	-	-	-	-
__ (274) NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	5	2	3	2	3	-	-	-	-	-	-	-	-
__ (275) DISORDERS RELATED TO SHORT GESTATION AND LOW BIRTH WEIGHT, NOT ELSEWHERE CLASSIFIED	5	3	2	3	2	-	-	-	-	-	-	-	-
__ (278) RESPIRATORY DISTRESS OF NEWBORN	3	1	2	1	2	-	-	-	-	-	-	-	-
__ (279) OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	-	1	-	1	-	-	-	-	-	-	-	-
__ (280) INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	1	-	1	-	-	-	-	-	-	-	-	-
__ (281) OTHER AND UNSPECIFIED CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	3	2	1	2	1	-	-	-	-	-	-	-	-
CONGENITAL MALFORMATIONS, DEFORMATIONS AND CHROMOSOMAL ABNORMALITIES	37	23	14	10	6	-	-	-	-	1	-	1	-
__ (282) ANENCEPHALY AND SIMILAR MALFORMATIONS	1	1	-	1	-	-	-	-	-	-	-	-	-
__ (283) SPINA BIFIDA	1	-	1	-	-	-	-	-	-	-	-	-	-
__ (284) ALL OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	5	2	3	1	2	-	-	-	-	-	-	-	-
__ (285) CONGENITAL MALFORMATIONS OF HEART	7	7	-	3	-	-	-	-	-	-	-	-	-
__ (286) OTHER CONGENITAL MALFORMATIONS OR CIRCULATORY SYSTEM	8	4	4	3	-	-	-	-	-	-	-	1	-
__ (288) OTHER CONGEITAL MALFORMATIONS AND DEFORMATIONS	10	8	2	1	2	-	-	-	-	1	-	-	-
__ (289) DOWN'S SYNDROME	3	-	3	-	1	-	-	-	-	-	-	-	-
__ (290) ALL OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSEWHERE CLASSIFIED	2	1	1	1	1	-	-	-	-	-	-	-	-
SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	176	69	107	12	8	-	-	1	-	1	-	-	-
__ (291) SENILITY	51	10	41	-	-	-	-	-	-	-	-	-	-
__ ILL-DEFINED AND UNKNOWN CAUSE OR MORTALITY	78	39	39	12	7	-	-	1	-	1	-	-	-
__ (292) SUDDEN INFANT DEATH SYNDROME	13	7	6	7	6	-	-	-	-	-	-	-	-
__ (293) OTHER ILL-DEFINED AND UNKNOWN CAUSES OF MORTALITY	65	32	33	5	1	-	-	1	-	1	-	-	-
__ (294) ALL OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	47	20	27	-	1	-	-	-	-	-	-	-	-
EXTERNAL CAUSES OF MORTALITY	804	559	245	4	5	2	2	4	4	3	-	5	2
__ ACCIDENTS	547	354	193	2	4	2	1	3	2	2	-	4	1
__ TRANSPORT ACCIDENTS	276	185	91	-	2	2	1	1	-	2	-	3	-
__ (295) RAILWAY ACCIDENTS	3	2	1	-	-	-	-	-	-	-	-	-	-
__ MOTOR VEHICLE ACCIDENTS	263	176	87	-	2	2	1	1	-	2	-	3	-
__ (296) PEDESTRIAN: COLLISION WITH MOTOR VEHICLE	16	10	6	-	-	1	1	1	-	1	-	-	-
__ (297) PEDALCYCLIST: COLLISION WITH MOTOR VEHICLE	1	1	-	-	-	-	-	-	-	-	-	1	-
__ (298) MOTORCYCLIST: ANY ACCIDENT EXCEPT COLLISION WITH RAILWY CAR	20	16	4	-	-	-	-	-	-	-	-	1	-
__ (301) MOTOR VEHICLE: COLLISION WITH OTHER (NON-MOTORIZED) ROAD VEHICLE, STREETCAR, ANIMAL OR PEDESTRIAN	33	24	9	-	-	-	-	-	-	-	-	-	-
__ (302) CAR, PICKUP TRUCK OR VAN: COLLISION WITH OTHER MOTOR VEHICLE	44	28	16	-	1	-	-	-	-	-	-	-	-
__ (304) MOTOR VEHICLE: NONCOLLISION ACCIDENT	72	44	28	-	2	-	-	-	-	-	-	-	-
__ (305) SPECIAL-USE MOTOR VEHICLE: ANY ACCIDENT	13	12	1	-	-	-	-	-	-	1	-	-	-
__ (306) OTHER AND UNSPECIFIED MOTOR VEHICLE ACCIDENTS	64	41	23	-	-	-	-	-	-	-	-	1	-
__ (308) OTHER AND UNSPECIFIED LAND TRANSPORT ACCIDENTS	5	3	2	-	-	-	-	-	-	-	-	-	-
__ (309) WATER TRANSPORT ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	-
__ (310) AIR AND SPACE TRANSPORT ACCIDENTS	3	3	-	-	-	-	-	-	-	-	-	-	-
__ FALLS	99	49	50	-	-	-	-	-	-	-	-	-	1
__ (312) FALL ON SAME LEVEL	46	17	29	-	-	-	-	-	-	-	-	-	1
__ (313) FALL FROM ONE LEVEL TO ANOTHER	16	12	4	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-1 (CONTINUED)

**FREQUENCY OF DEATH BY SEX, AGE, AND UP TO 358 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH*	ALL AGES			LESS THAN 1 YR		1 YEAR OLD		2 - 4 YEARS		5 - 9 YEARS		10 - 14 YEARS	
	BOTH	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
(314) UNSPECIFIED FALL	37	20	17	-	-	-	-	-	-	-	-	-	-
(315) ACCIDENTAL DISCHARGE OF FIREARMS	5	5	-	-	-	-	-	-	-	-	-	1	-
(316) ACCIDENTAL EXPLOSION	1	-	1	-	-	-	-	-	-	-	-	-	-
(317) ACCIDENTAL DROWNING AND SUBMERSION	15	9	6	-	1	-	-	-	2	-	-	-	-
(318) ACCIDENTAL INHALATION AND INGESTION OF FOOD OR OTHER OBJECTS CAUSING OBSTRUCTION OF RESPIRATORY TRACT	18	9	9	-	-	-	-	-	-	-	-	-	-
(319) OTHER ACCIDENTAL AND UNSPECIFIED THREATS TO BREATHING	5	4	1	2	1	-	-	-	-	-	-	-	-
(320) ACCIDENTAL EXPOSURE TO ELECTRIC CURRENT	7	6	1	-	-	-	-	-	-	-	-	-	-
(322) ACCIDENTAL EXPOSURE TO SMOKE, FIRE AND FLAMES	7	5	2	-	-	-	-	-	-	-	-	-	-
(324) LIGHTNING	1	-	1	-	-	-	-	-	-	-	-	-	-
(325) EARTHQUAKE, VOLCANIC ERUPTION, AVALANCHE, LANDSLIDE AND OTHER EARTH MOVEMENTS	2	1	1	-	-	-	-	-	-	-	-	-	-
ACCIDENTAL POISONING AND EXPOSURE TO NOXIOUS SUBSTANCES	58	44	14	-	-	-	-	-	-	-	-	-	-
(327) BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	48	36	12	-	-	-	-	-	-	-	-	-	-
(328) BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES	7	5	2	-	-	-	-	-	-	-	-	-	-
(329) BY AND EXPOSURE TO OTHER GASES AND VAPORS	3	3	-	-	-	-	-	-	-	-	-	-	-
(330) ALL OTHER AND UNSPECIFIED ACCIDENTS AND THEIR SEQUELAE	53	37	16	-	-	-	-	2	-	-	-	-	-
INTENTIONAL SELF-HARM AND SELF-POISONING (SUICIDE)	187	162	25	-	-	-	-	-	-	-	-	1	1
(331) POISONING BY AND EXPOSURE TO DRUGS AND OTHER BIOLOGICAL SUBSTANCES	23	13	10	-	-	-	-	-	-	-	-	-	-
(332) POISONING BY AND EXPOSURE TO OTHER AND UNSPECIFIED SOLID OR LIQUID SUBSTANCES AND THEIR VAPORS	1	1	-	-	-	-	-	-	-	-	-	-	-
(333) POISONING BY AND EXPOSURE TO GASES AND VAPORS	18	15	3	-	-	-	-	-	-	-	-	-	-
(334) BY HANGING, STRANGULATION AND SUFFOCATION	30	26	4	-	-	-	-	-	-	-	-	-	1
(335) BY DISCHARGE OF FIREARMS	102	97	5	-	-	-	-	-	-	-	-	-	-
(336) BY JUMPING FROM A HIGH PLACE	2	2	-	-	-	-	-	-	-	-	-	1	-
(337) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	11	8	3	-	-	-	-	-	-	-	-	-	-
ASSAULT (HOMICIDE)	35	24	11	2	1	-	1	-	1	1	-	-	-
(338) BY DRUGS, BIOLOGICAL SUBSTANCES AND OTHER AND UNSPECIFIED NOXIOUS SUBSTANCES	1	-	1	-	-	-	-	-	-	-	-	-	-
(339) BY HANGING, STRANGULATION AND SUFFOCATION	1	-	1	-	-	-	-	-	-	-	-	-	-
(340) BY DISCHARGE OF FIREARMS	11	9	2	-	-	-	-	-	-	-	-	-	-
(341) BY SHARP OBJECT	5	4	1	-	-	-	-	-	-	-	-	-	-
(345) NEGLIGENCE, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	2	2	-	1	-	-	-	-	-	1	-	-	-
(346) ASSAULT (HOMICIDE) BY ALL OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	15	9	6	1	1	-	1	-	1	-	-	-	-
EVENT OF UNDETERMINED INTENT	25	14	11	-	-	-	-	1	1	-	-	-	-
(347) POISONING BY AND EXPOSURE TO DRUGS AND BIOLOGICAL SUBSTANCES, UNDETERMINED INTENT	17	9	8	-	-	-	-	1	-	-	-	-	-
(349) POISONING BY AND EXPOSURE TO OTHER GASES AND VAPORS, UNDETERMINED INTENT	1	1	-	-	-	-	-	-	-	-	-	-	-
(351) FALLING, JUMPING OR PUSHED FROM A HIGH PLACE, UNDETERMINED INTENT	1	1	-	-	-	-	-	-	-	-	-	-	-
(352) ALL OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	6	3	3	-	-	-	-	-	1	-	-	-	-
LEGAL INTERVENTION	3	3	-	-	-	-	-	-	-	-	-	-	-
(353) LEGAL EXECUTION	1	1	-	-	-	-	-	-	-	-	-	-	-
(354) OTHER LEGAL INTERVENTION AND THEIR SEQUELAE	2	2	-	-	-	-	-	-	-	-	-	-	-
COMPLICATIONS OF MEDICAL AND SURGICAL CARE	7	2	5	-	-	-	-	-	-	-	-	-	-
(358) OTHER COMPLICATIONS OF MEDICAL AND SURGICAL CARE AND THEIR SEQUELAE	7	2	5	-	-	-	-	-	-	-	-	-	-

* LIST OF 358 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 2

TABLE D-2

**FREQUENCY OF DEATH BY SEX, RACE*, AND UP TO 113 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
ALL CAUSES	8,435	7,874	476	85	4,273	3,954	264	55	4,162	3,920	212	30
__ (3) CERTAIN OTHER INTESTINAL INFECTIONS	15	14	1	-	7	6	1	-	8	8	-	-
__ (#) TUBERCULOSIS	1	1	-	-	1	1	-	-	-	-	-	-
__ (4) RESPIRATORY TUBERCULOSIS	1	1	-	-	1	1	-	-	-	-	-	-
__ (9#) SEPTICEMIA	71	64	7	-	36	32	4	-	35	32	3	-
__ (14#) VIRAL HEPATITIS	24	20	3	1	11	10	1	-	13	10	2	1
__ (15# HUMAN IMMUNODEFICIENCY VIRUS (HIV)	6	6	-	-	5	5	-	-	1	1	-	-
__ (17) OTHER AND UNSPECIFIED INFECTIOUS AND PARASITIC DISEASES AND THEIR SEQUELAE	27	27	-	-	15	15	-	-	12	12	-	-
(#) MALIGNANT NEOPLASMS	1,940	1,831	97	12	1,023	965	51	7	917	866	46	5
__ (18) MALIGNANT NEOPLASMS OF LIP, ORAL CAVITY AND PHARYNX	25	22	2	1	18	17	-	1	7	5	2	-
__ (19) MALIGNANT NEOPLASM OF ESOPHAGUS	57	56	1	-	45	44	1	-	12	12	-	-
__ (20) MALIGNANT NEOPLASM OF STOMACH	32	28	3	1	21	18	3	-	11	10	-	1
__ (21) MALIGNANT NEOPLASMS OF COLON, RECTUM AND ANUS	204	193	10	1	100	93	6	1	104	100	4	-
__ (22) MALIGNANT NEOPLASMS OF LIVER AND INTRAHEPTIC BILE DUCTS	46	38	8	-	25	20	5	-	21	18	3	-
__ (23) MALIGNANT NEOPLASMS OF PANCREAS	128	126	2	-	66	66	-	-	62	60	2	-
__ (24) MALIGNANT NEOPLASM OF LARYNX	5	4	1	-	3	2	1	-	2	2	-	-
__ (25) MALIGNANT NEOPLASMS OF TRACHEA, BRONCHUS AND LUNG	524	495	25	4	287	270	14	3	237	225	11	1
__ (26) MALIGNANT MELANOMA OF SKIN	29	26	2	1	19	17	2	-	10	9	-	1
__ (27) MALIGNANT NEOPLASM OF BREAST	111	108	2	1	-	-	-	-	111	108	2	1
__ (28) MALIGNANT NEOPLASM OF CERVIX UTERI	10	9	1	-	-	-	-	-	10	9	1	-
__ (29) MALIGNANT NEOPLASMS OF CORPUS UTERI AND UTERUS, PART UNSPECIFIED	28	26	2	-	-	-	-	-	28	26	2	-
__ (30) MALIGNANT NEOPLASM OF OVERY	50	49	1	-	-	-	-	-	50	49	1	-
__ (31) MALIGNANT NEOPLASM OF PROSTATE	129	121	6	2	129	121	6	2	-	-	-	-
__ (32) MALIGNANT NEOPLASMS OF KIDNEY AND RENAL PELVIS	42	40	2	-	25	24	1	-	17	16	1	-
__ (33) MALIGNANT NEOPLASM OF BLADDER	39	39	-	-	30	30	-	-	9	9	-	-
__ (34) MALIGNANT NEOPLASMS OF MENINGES, BRAIN AND OTHER PARTS OF CENTRAL NERVOUS SYSTEM	49	48	1	-	31	30	1	-	18	18	-	-
MALIGNANT NEOPLASMS OF LYMPHOID, HEMOPOIETIC AND RELATED TISSUE	194	188	6	-	113	110	3	-	81	78	3	-
__ (35) HODGKIN'S DISEASE	3	3	-	-	2	2	-	-	1	1	-	-
__ (36) NON-HODGKIN'S LYMPHOMIA Non-Hodgkin's lymphoma	69	65	4	-	39	36	3	-	30	29	1	-
__ (37) LEUKEMIA	89	87	2	-	52	52	-	-	37	35	2	-
__ (38) MULTIPLE MYELOMA AND IMMUNOPROLIFERATIVE NEOPLASMS	33	33	-	-	20	20	-	-	13	13	-	-
__ (40) ALL OTHER AND UNSPECIFIED MALIGNANT NEOPLASMS	238	215	22	1	111	103	8	-	127	112	14	1
__ (41#) IN SITUE NEOPLASMS, BENIGN NEOPLASMS AND NEOPLASMS OF UNCERTAIN OR UNKNOWN BEHAVIOR	62	57	5	-	39	35	4	-	23	22	1	-
__ (42#) ANEMIAS	12	11	1	-	4	4	-	-	8	7	1	-
__ (43#) DIABETES MELLITUS	251	221	24	6	133	120	11	2	118	101	13	4
(#) NUTRITIONAL DEFICIENCIES	10	9	1	-	1	1	-	-	9	8	1	-
__ (44) MALNUTRITION	10	9	1	-	1	1	-	-	9	8	1	-
__ (46#) MENINGITIS	1	1	-	-	1	1	-	-	-	-	-	-
__ (47#) PARKINSON'S DISEASE	68	66	1	1	37	35	1	1	31	31	-	-
__ (48#) ALZHEIMER'S DISEASE	226	223	3	-	55	55	-	-	171	168	3	-
MAJOR CARDIOVASCULAR DISEASES	2,462	2,354	88	20	1,254	1,194	48	12	1,208	1,160	40	8
__ (#) DISEASES OF HEART	1,857	1,773	69	15	999	951	39	9	858	822	30	6
__ (49) ACUTE RHEUMATIC FEVER AND CHRONIC RHEUMATIC HEART DISEASES	9	9	-	-	1	1	-	-	8	8	-	-
__ (50) HYPERTENSIVE HEART DISEASE	57	54	3	-	27	26	1	-	30	28	2	-
__ (51) HYPERTENSIVE HEART AND RENAL DISEASE	5	5	-	-	2	2	-	-	3	3	-	-
ISCHEMIC HEART DISEASES	1,084	1,035	40	9	640	610	24	6	444	425	16	3
__ (52) ACUTE MYOCARDIAL INFARCTION	357	340	16	1	206	195	10	1	151	145	6	-
__ (53) OTHER ACUTE ISCHEMIC HEART DISEASES	5	5	-	-	2	2	-	-	3	3	-	-
OTHER FORMS OF CHRONIC ISCHEMIC HEART DISEASE	722	690	24	8	432	413	14	5	290	277	10	3
__ (54) ATHEROSCLEROTIC CARDIOVASCULAR DISEASE, SO DESCRIBED	166	164	2	-	103	102	1	-	63	62	1	-
__ (55) ALL OTHER FORMS OF CHRONIC HEART DISEASE	556	526	22	8	329	311	13	5	227	215	9	3
__ (59) ALL OTHER FORMS OF HEART DISEASE	359	337	18	4	185	173	10	2	174	164	8	2
__ (60#) ESSENTIAL (PRIMARY) HYPERTENSION AND HYPERSENSITIVE RENAL RENAL DISEASE	53	53	-	-	23	23	-	-	30	30	-	-
__ (61#) CEREBROVASCULAR DISEASES	458	438	16	4	181	171	7	3	277	267	9	1
__ (62#)ATHEROSCLEROSIS	31	30	-	1	13	13	-	-	18	17	-	1
__ OTHER DISEASES OF CIRCULATORY SYSTEM	63	60	3	-	38	36	2	-	25	24	1	-
__ (63#) AORTIC ANEURYSM AND DISSECTION	37	35	2	-	23	21	2	-	14	14	-	-
__ (64) OTHER DISEASES OF ARTERIES, ARTERIOLES AND CAPILLARIES	26	25	1	-	15	15	-	-	11	10	1	-
__ (65) OTHER DISORDERS OF CIRCULATORY SYSTEM	12	12	-	-	3	3	-	-	9	9	-	-
__ (#) INFLUENZA AND PNEUMONIA	170	158	11	1	79	72	6	1	91	86	5	-
__ (66) INFLUENZA	6	6	-	-	2	2	-	-	4	4	-	-
__ (67) PNEUMONIA	164	152	11	1	77	70	6	1	87	82	5	-

* MULTIPLE RACES MAY BE REPORTED FOR DECEDENTS. WHEN TWO OR MORE RACES ARE REPORTED, ONE OF THE REPORTED RACES IS ASSIGNED AS A "MAIN" RACE BY A PROBABLISTIC MODEL DEVELOPED BY THE NATIONAL CENTER FOR HEALTH STATISTICS (NCHS). SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-2 (CONCLUDED)

**FREQUENCY OF DEATH BY SEX, RACE8, AND UP TO 113 SELECTED CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH**	TOTAL				MALE				FEMALE			
	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER	TOTAL	WHITE	Nat.Am.	OTHER
(#) CHRONIC LOWER RESPIRATORY DISEASE	576	553	19	4	259	246	11	2	317	307	8	2
(70) BRONCHITIS, CHRONIC AND UNSPECIFIED	2	2	-	-	1	1	-	-	1	-	-	-
(71) EMPHYSEMA	48	47	-	1	21	21	-	-	27	26	-	1
(72) ASTHMA	16	15	-	1	3	3	-	-	13	12	-	1
(73) OTHER CHRONIC LOWER RESPIRATORY DISEASES	510	489	19	2	234	221	11	2	276	268	8	-
(74#) PNEUMOCONIOSES AND CHEMICAL EFFECTS	5	5	-	-	3	3	-	-	2	2	-	-
(75#) PNEUMONITIS DUE TO SOLIDS AND LIQUIDS	72	69	3	-	36	33	3	-	36	36	-	-
(76) OTHER DISEASES OF RESPIRATORY SYSTEM	122	114	8	-	62	59	3	-	60	55	5	-
(77#) PEPTIC ULCER	12	12	-	-	6	6	-	-	6	6	-	-
(79#) HERNIA	9	8	1	-	5	4	1	-	4	4	-	-
(#) CHRONIC LIVER DISEASE AND CIRRHOSIS	112	79	28	5	58	47	9	2	54	32	19	3
(80) ALCOHOLIC LIVER DISEASE	73	48	22	3	44	34	8	2	29	14	14	1
(81) OTHER CHRONIC LIVER DISEASE AND CIRRHOSIS	39	31	6	2	14	13	1	-	25	18	5	2
(82#) CHOLELITHIASIS AND OTHER DISORDERS OF GALLBLADDER	7	7	-	-	4	4	-	-	3	3	-	-
(#) NEPHRITIS, NEPHROTIC SYNDROME AND NEPHROSIS	132	121	9	2	69	63	5	1	63	58	4	1
(83) ACUTE AND RAPIDLY PROGRESSIVE NEPHRITIC AND NEPHROTIC SYNDROME	2	2	-	-	1	1	-	-	1	1	-	-
(84) CHRONIC GLOMERULONEPHRITIS-NEPHRITIS NOT SPECIFIED AS ACUTE OR CHRONIC, RENAL SCLEROSIS UNSPECIFIED	6	5	-	1	3	3	-	-	3	2	-	1
(85) RENAL FAILURE	124	114	9	1	65	59	5	1	59	55	4	-
(87#) INFECTIONS OF KIDNEY	3	3	-	-	1	1	-	-	2	2	-	-
(88#) HYPERPLASIA OF PROSTATE	3	3	-	-	3	3	-	-	-	-	-	-
(89#) INFLAMMATORY DISEASES OF FEMALE PELVIC ORGANS	1	1	-	-	-	-	-	-	1	1	-	-
(#) PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	2	1	1	-	-	-	-	-	2	1	1	-
(91) OTHER COMPLICATIONS OF PREGNANCY, CHILDBIRTH AND THE PUERPERIUM	2	1	1	-	-	-	-	-	2	1	1	-
(92#) CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	18	12	5	1	9	5	3	1	9	7	2	-
(93#) CONGENITAL MALFORMATIONS, DEFORMATION AND CHROMOSOMAL ABNORMALITIES	37	28	7	2	23	18	3	2	14	10	4	-
(94) SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSEWHERE CLASSIFIED	176	168	6	2	69	61	6	2	107	107	-	-
(95) ALL OTHER DISEASES (RESIDUAL)	986	916	58	12	403	362	33	8	583	554	25	4
(#) ACCIDENTS	547	474	62	11	354	302	41	11	193	172	21	-
TRANSPORT ACCIDENTS	276	223	44	9	185	149	27	9	91	74	17	-
(96) MOTOR VEHICLE ACCIDENTS	263	211	43	9	176	141	26	9	87	70	17	-
(97) OTHER LAND TRANSPORT ACCIDENTS	8	7	1	-	5	4	1	-	3	3	-	-
(98) WATER, AIR AND SPACE AND OTHER UNSPECIFIED TRANSPORT ACCIDENTS AND THEIR SEQUELAE	5	5	-	-	4	4	-	-	1	1	-	-
NONTRANSPORT ACCIDENTS	267	247	18	2	165	149	14	2	102	98	4	-
(#) INTENTIONAL SELF-HARM (SUICIDE)	187	170	15	2	162	150	11	1	25	20	4	1
(105) INTENTIONAL SELF-HARM (SUICIDE) BY DISCHARGE OF FIREARMS	102	98	3	1	97	93	3	1	5	5	-	-
(106) INTENTIONAL SELF-HARM (SUICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	85	72	12	1	65	57	8	-	20	15	4	1
(#) ASSAULT (HOMICIDE)	35	26	7	2	24	16	7	1	11	10	-	1
(107) ASSAULT (HOMICIDE) BY DISCHARGE OF FIREARMS	11	9	2	-	9	7	2	-	2	2	-	-
(108) ASSAULT (HOMICIDE) BY OTHER AND UNSPECIFIED MEANS AND THEIR SEQUELAE	24	17	5	2	15	9	5	1	9	8	-	1
(109#) LEGAL INTERVENTION	3	3	-	-	3	3	-	-	-	-	-	-
EVENTS OF UNDETERMINED INTENT	25	19	5	1	14	12	1	1	11	7	4	-
(111) OTHER AND UNSPECIFIED EVENTS OF UNDETERMINED INTENT AND THEIR SEQUELAE	25	19	5	1	14	12	1	1	11	7	4	-

SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED. LIVE BIRTHS AND FETAL DEATHS ARE SHOWN BY THE RACE OF THE MOTHER. (NCHS). SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 113 SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES AND CODE RANGES SHOWN IN FIGURE 3. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-3

**FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR
MONTANA, 1930-2006***

ICD-09			810-825		800-807 826-849		303		140-208	
ICD-10			see footnotes for codes		see footnotes for codes		F10-F10.9 G31.2		C00-C97.9	
YEAR	ACCIDENTS						ALCOHOLISM		MALIGNANT NEOPLASMS (CANCER)	
	TOTAL		MOTOR VEHICLE		OTHER					
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1930	498	92.6	106	19.7	392	72.9	69	12.8	424	78.9
1935	552	100.5	161	29.3	391	71.2	14	2.5	528	96.2
1940	539	96.3	154	27.5	385	68.8	41	7.3	640	114.4
1945	498	98.7	118	23.4	380	75.3	13	2.6	658	130.4
1946	517	99.1	166	31.8	351	67.3	15	2.9	662	126.8
1947	537	99.6	157	29.1	380	70.5	19	3.5	712	132.0
1948	575	103.3	165	29.6	410	73.7	14	2.5	724	130.1
1949	552	96.2	152	26.5	400	69.7	17	3.0	729	127.0
1950	545	92.2	190	32.1	355	60.1	14	2.4	733	124.0
1951	525	88.1	187	31.4	338	56.7	17	2.9	726	121.8
1952	564	93.7	235	39.0	329	54.7	13	2.2	798	132.6
1953	534	86.7	228	37.0	306	49.7	17	2.8	809	131.3
1954	531	85.1	219	35.1	312	50.0	19	3.0	868	139.1
1955	549	86.3	239	37.6	310	48.7	28	4.4	829	130.3
1956	574	87.5	265	40.4	309	47.1	22	3.4	932	142.1
1957	541	81.1	219	32.8	322	48.3	20	3.0	877	131.5
1958	497	74.6	206	30.9	291	43.7	18	2.7	859	129.0
1959	565	84.5	258	38.6	307	45.9	15	2.2	920	137.5
1960	510	75.6	226	33.5	284	42.1	13	1.9	958	142.0
1961	518	76.0	270	39.6	248	36.4	18	2.6	965	141.5
1962	550	77.6	232	32.7	318	44.9	19	2.7	911	128.5
1963	517	73.1	218	30.8	299	42.3	12	1.7	896	126.7
1964	648	91.9	250	35.5	398	56.5	13	1.8	986	139.9
1965	591	83.7	268	38.0	323	45.8	14	2.0	933	132.2
1966	560	79.8	265	37.7	295	42.0	24	3.4	969	138.0
1967	607	86.6	318	45.4	289	41.2	12	1.7	1,001	142.8
1968	535	77.2	262	37.8	273	39.4	29	4.2	1,080	155.8
1969	635	91.5	329	47.4	306	44.1	10	1.4	1,041	150.0
1970	571	82.2	290	41.8	281	40.5	25	3.6	1,059	152.5
1971	609	85.8	310	43.7	299	42.1	19	2.7	1,051	148.0
1972	635	88.3	360	50.1	275	38.2	17	2.4	1,122	156.1
1973	611	84.7	324	44.9	287	39.8	20	2.8	1,061	147.2
1974	559	76.1	272	37.0	287	39.0	14	1.9	1,130	153.7
1975	584	78.1	282	37.7	302	40.4	28	3.7	1,105	147.7
1976	579	76.9	291	38.6	288	38.2	23	3.1	1,191	158.2
1977	574	75.4	302	39.7	272	35.7	25	3.3	1,184	155.6
1978	558	71.1	276	35.2	282	35.9	23	2.9	1,233	157.1
1979	596	75.8	313	39.8	283	36.0	22	2.8	1,240	157.8
1980	570	72.5	311	39.5	259	32.9	25	3.2	1,291	164.1
1981	553	69.7	308	38.8	245	30.9	32	4.0	1,343	169.4
1982	471	58.8	236	29.5	235	29.3	30	3.7	1,384	172.8
1983	516	63.2	267	32.7	249	30.5	16	2.0	1,350	165.2
1984	440	53.4	233	28.3	207	25.1	18	2.2	1,467	178.0
1985	417	50.5	210	25.4	207	25.1	20	2.4	1,445	174.9
1986	403	49.2	228	27.8	175	21.4	27	3.3	1,475	180.1
1987	416	51.4	223	27.6	193	23.9	22	2.7	1,516	187.4
1988	368	45.7	200	24.8	168	20.9	22	2.7	1,561	193.9
1989	360	44.7	171	21.2	189	23.5	16	2.0	1,593	197.7
1990	398	49.7	210	26.2	188	23.5	21	2.6	1,630	203.7
1991	384	47.4	183	22.6	201	24.8	19	2.3	1,656	204.5
1992	399	48.3	182	22.0	217	26.3	29	3.5	1,710	207.1
1993	375	44.4	182	21.5	193	22.8	26	3.1	1,738	205.7
1994	391	45.4	192	22.3	199	23.1	31	3.6	1,740	202.0
1995	374	42.7	191	21.8	183	20.9	21	2.4	1,765	201.4
1996	396	45.0	191	21.7	205	23.3	23	2.6	1,762	200.4
1997	443	49.8	230	25.8	213	23.9	18	2.0	1,779	199.9
1998	463	51.9	219	24.5	244	27.3	34	3.8	1,816	203.5
1999	461	52.2	191	21.6	270	30.6	22	2.5	1,845	209.0
2000	484	53.6	228	25.2	256	28.3	29	3.2	1,861	206.0
2001	468	51.6	209	23.1	259	28.6	35	3.9	1,952	215.4
2002	523	57.4	250	27.5	273	30.0	30	3.3	1,901	208.8
2003	515	56.1	257	28.0	258	28.1	39	4.3	1,838	200.3
2004	547	59.0	263	28.4	284	30.7	63	6.8	1,940	209.4
2005	517	55.3	233	24.9	284	30.4	39	4.2	1,947	208.3
2006	547	57.9	263	27.8	284	30.1	63	6.7	1,940	205.4

*DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.
+ PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS WERE USED FOR YEARS ENDING IN ZERO PRIOR TO 1990.

MOTOR VEHICLE ACCIDENT ICD-10 CODES: V02-V04, V09.0, V09.2, V12-V14, V19.0-V19.2, V19.4-V19.6, V20-V79, V80.3-V80.7, V81.0-V81.1, V82.0-V82.1, V83-V86, V87.0-V87.8, V88.0-V88.8, V89.0, V89.2

ACCIDENTS BY OTHER MEANS ICD-10 CODES: V01, V05-V08, V09.1, V09.3-V11, V15-V18, V19.3, V19.7-V19.9, V80.1-V80.2, V80.6-V80.9, V81.2-V81.9, V82.2-V82.9, V87.9, V88.9, V89.3-V89.9, V85-V86

TABLE D-3 (CONCLUDED)

**FREQUENCY AND RATE OF DEATH FROM SELECTED UNDERLYING CAUSES BY YEAR
MONTANA, 1930-2006***

ICD-09	250		390-398 402, 409 410-429		960-969		580-589		480-486		950-959	
ICD-10	E10-E14.9		I00-I09.9, I11, I13, I120-I51		X85-Y09.9 Y87.1		N00-N07.9 N17-N19 N25-N227		J12-J18		X60-X84 Y87	
YEAR	DIABETES		HEART DISEASE		HOMICIDE		NEPHRITIS		PNEUMONIA		SUICIDE	
	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+	NUMBER	RATE+
1930	87	16.2	759	141.2	57	10.6	395	73.5	425	79.1	136	25.3
1935	112	20.4	1,299	236.6	34	6.2	355	64.7	674	122.8	96	17.5
1940	109	19.5	1,447	258.6	29	5.2	295	52.7	321	57.4	120	21.4
1945	129	25.6	1,603	317.7	19	3.8	279	55.3	196	38.8	79	15.7
1946	137	26.3	1,629	312.1	22	4.2	276	52.9	235	45.0	98	18.8
1947	130	24.1	1,690	313.4	14	2.6	266	49.3	223	41.4	96	17.8
1948	118	21.2	1,803	324.0	15	2.7	247	44.4	189	34.0	88	15.8
1949	102	17.8	2,002	348.9	21	3.7	129	22.5	144	25.1	89	15.5
1950	49	8.3	1,957	331.1	24	4.1	80	13.5	157	26.6	123	20.8
1951	58	9.7	2,159	362.2	15	2.5	85	14.3	121	20.3	85	14.3
1952	83	13.8	2,032	337.5	17	2.8	120	19.9	147	24.4	84	14.0
1953	73	11.9	2,164	351.3	23	3.7	77	12.5	180	29.2	106	17.2
1954	95	15.2	2,128	341.0	29	4.6	90	14.4	179	28.7	104	16.7
1955	108	17.0	2,116	332.7	21	3.3	94	14.8	155	24.4	79	12.4
1956	98	14.9	2,165	330.0	32	4.9	83	12.7	211	32.2	98	14.9
1957	118	17.7	2,290	343.3	23	3.4	71	10.6	249	37.3	105	15.7
1958	109	16.4	2,244	336.9	17	2.6	53	8.0	260	39.0	101	15.2
1959	123	18.4	2,382	356.1	29	4.3	58	8.7	231	34.5	97	14.5
1960	102	15.1	2,332	345.6	25	3.7	51	7.6	227	33.6	107	15.9
1961	117	17.2	2,269	332.7	21	3.1	41	6.0	219	32.1	96	14.1
1962	121	17.1	2,204	310.9	21	3.0	63	8.9	195	27.5	110	15.5
1963	125	17.7	2,340	331.0	22	3.1	42	5.9	218	30.8	115	16.3
1964	139	19.7	2,368	335.9	30	4.3	45	6.4	226	32.1	80	11.3
1965	114	16.1	2,297	325.4	20	2.8	35	5.0	198	28.0	94	13.3
1966	106	15.1	2,415	344.0	23	3.3	42	6.0	230	32.8	96	13.7
1967	143	20.4	2,297	327.7	31	4.4	38	5.4	196	28.0	100	14.3
1968	119	17.2	2,223	320.8	25	3.6	20	2.9	213	30.7	97	14.0
1969	117	16.9	2,297	331.0	31	4.5	21	3.0	201	29.0	91	13.1
1970	111	16.0	2,229	321.0	30	4.3	26	3.7	213	30.7	79	11.4
1971	120	16.9	2,339	329.4	43	6.1	19	2.7	210	29.6	117	16.5
1972	135	18.8	2,294	319.1	32	4.5	17	2.4	220	30.6	87	12.1
1973	126	17.5	2,300	319.0	46	6.4	27	3.7	236	32.7	108	15.0
1974	103	14.0	2,202	299.6	44	6.0	20	2.7	192	26.1	122	16.6
1975	122	16.3	2,178	291.2	42	5.6	19	2.5	185	24.7	112	15.0
1976	100	13.3	2,178	289.2	38	5.0	17	2.3	207	27.5	129	17.1
1977	89	11.7	2,149	282.4	53	7.0	24	3.2	144	18.9	143	18.8
1978	114	14.5	2,169	276.3	40	5.1	20	2.5	199	25.4	122	15.5
1979	94	12.0	2,302	292.9	39	5.0	46	5.9	143	18.2	123	15.6
1980	103	13.1	2,332	296.4	40	5.1	43	5.5	169	21.5	116	14.7
1981	95	12.0	2,279	287.4	47	5.9	70	8.8	171	21.6	137	17.3
1982	115	14.4	2,236	279.2	36	4.5	57	7.1	196	24.5	126	15.7
1983	103	12.6	2,241	274.3	33	4.0	62	7.6	219	26.8	143	17.5
1984	113	13.7	2,270	275.5	37	4.5	57	6.9	204	24.8	137	16.6
1985	123	14.9	2,201	266.5	49	5.9	58	7.0	211	25.5	144	17.4
1986	109	13.3	2,196	268.1	41	5.0	40	4.9	205	25.0	181	22.1
1987	116	14.3	2,109	260.7	39	4.8	60	7.4	192	23.7	159	19.7
1988	154	19.1	2,057	255.5	35	4.3	60	7.5	219	27.2	153	19.0
1989	170	21.1	2,019	250.6	32	4.0	47	5.8	224	27.8	159	19.7
1990	154	19.2	1,947	243.3	35	4.4	48	6.0	213	26.6	167	20.9
1991	181	22.4	1,944	240.1	36	4.4	51	6.3	245	30.3	167	20.6
1992	164	19.9	1,904	230.6	35	4.2	56	6.8	259	31.4	151	18.3
1993	191	22.6	2,110	249.8	39	4.6	59	7.0	249	29.5	154	18.2
1994	215	25.0	1,907	221.4	34	3.9	76	8.8	276	32.0	159	18.5
1995	210	24.0	2,003	228.5	45	5.1	56	6.4	313	35.7	197	22.5
1996	187	21.3	2,131	242.3	37	4.2	81	9.2	238	27.1	174	19.6
1997	169	19.0	2,097	235.7	37	4.2	98	11.0	299	33.6	179	20.1
1998	196	22.0	2,001	224.2	26	2.9	90	10.1	311	34.8	156	17.5
1999	243	27.5	2,034	230.4	32	3.6	93	10.5	213	24.1	161	18.2
2000	226	25.0	1,985	219.7	35	3.9	115	12.7	192	21.2	157	17.4
2001	229	25.3	1,962	216.5	31	3.4	127	14.0	191	21.1	174	19.2
2002	211	23.2	1,931	212.1	23	2.5	104	11.4	247	27.1	182	20.0
2003	263	28.7	1,974	215.1	37	4.0	101	11.0	239	26.0	179	19.5
2004	251	27.1	1,857	200.5	35	3.8	132	14.2	164	17.7	187	20.2
2005	283	30.3	1,842	197.1	32	3.4	109	11.7	186	19.9	205	21.9
2006	251	26.6	1,857	196.6	35	3.7	132	14.0	164	17.4	187	19.8

*DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE
+PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS WERE USED FOR YEARS ENDING IN ZERO
PRIOR TO 1990.

TABLE D-4

**FREQUENCY OF DEATH FROM SELECTED UNDERLYING CAUSES BY COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	ICD 9	800-949	540-543	140-208	430-438	250	390-398, 402, 404, 410-429	487	320-322	360-369	580-589	480-486	045, 138	010-018, 137	ALL OTHER CAUSES
	ICD 10	V01-X59, Y85-Y86	K35-K38	C00-C97	I60-I69	E10-E14	I00-I09, I11, I13, I20-I51	J10-J11	G00-G03	A39	N00-N07, N17-N19, N25-N27	J12-J18	A80, B91	A16-A19, B90	
	TOTAL	ACCIDENTS	APPENDI- CITIS	CANCER	CEREBRO- VASCULAR DISEASE*	DIABETES	HEART DISEASE	INFLUENZA	MENIN- GITIS	MENINGO- COCCAL	NEPHRITIS	PNEU- MONIA	POLIO- MYELITIS	TUBER- CULOSIS	
MONTANA TOTAL	8,435	547	-	1,940	458	251	1,857	6	1	-	132	164	5	1	3,073
BEAVERHEAD	84	8	-	14	4	2	20	-	-	-	3	3	-	-	30
BIG HORN	128	19	-	20	8	6	30	-	-	-	-	5	-	-	40
BLAINE	64	6	-	15	6	6	6	-	-	-	5	1	-	-	19
BROADWATER	64	5	-	22	5	1	9	-	-	-	1	2	-	-	19
CARBON	91	4	-	23	2	2	20	-	-	-	1	-	-	-	39
CARTER	12	1	-	1	1	-	6	-	-	-	-	-	-	-	3
CASCADE	733	34	-	159	32	23	152	-	-	-	8	13	-	-	312
CHOUTEAU	55	1	-	11	4	3	17	-	-	-	1	2	-	-	16
CUSTER	140	14	-	28	6	8	30	-	-	-	5	2	-	-	47
DANIELS	15	-	-	4	1	2	1	-	-	-	-	-	-	-	7
DAWSON	90	4	-	17	4	7	22	-	-	-	-	3	-	-	33
DEER LODGE	110	9	-	23	3	3	27	-	-	-	2	10	-	-	33
FALLON	36	3	-	13	1	2	5	-	-	-	1	-	-	-	11
FERGUS	134	5	-	28	6	1	39	-	-	-	2	3	-	-	50
FLATHEAD	738	68	-	148	46	16	190	-	-	-	9	15	-	-	246
GALLATIN	431	35	-	92	24	10	78	2	-	-	3	5	1	-	181
GARFIELD	11	1	-	5	-	-	3	-	-	-	-	-	-	-	2
GLACIER	131	12	-	26	8	7	30	-	-	-	3	2	-	-	43
GOLDEN VALLEY	4	-	-	-	-	-	3	-	-	-	-	-	-	-	1
GRANITE	22	2	-	5	1	-	6	-	-	-	-	-	-	-	8
HILL	151	9	-	39	8	4	27	-	-	-	3	6	-	-	55
JEFFERSON	85	6	-	21	5	3	14	-	-	-	1	-	-	-	35
JUDITH BASIN	20	1	-	6	-	1	5	-	-	-	-	-	-	-	7
LAKE	262	29	-	74	15	4	36	-	-	-	5	7	-	1	91
LEWIS & CLARK	487	30	-	118	17	8	90	-	-	-	11	14	1	-	198
LIBERTY	25	2	-	6	-	-	6	-	-	-	-	-	-	-	11
LINCOLN	221	16	-	52	21	9	54	-	-	-	1	4	-	-	64
MCCONE	17	2	-	5	-	1	4	-	-	-	1	-	-	-	4
MADISON	71	6	-	10	2	1	17	1	-	-	2	2	-	-	30
MEAGHER	20	1	-	6	-	-	6	-	-	-	-	1	-	-	6
MINERAL	47	2	-	14	4	1	11	-	-	-	-	-	-	-	15
MISSOULA	676	34	-	177	37	13	129	-	-	-	9	12	-	-	265
MUSSELSHELL	53	8	-	8	3	1	10	-	-	-	-	1	-	-	22
PARK	143	7	-	30	8	4	30	-	-	-	1	3	-	-	60
PETROLEUM	4	-	-	1	1	-	1	-	-	-	-	-	-	-	1
PHILLIPS	42	2	-	12	3	-	8	1	-	-	2	-	-	-	14
PONDERA	65	6	-	15	1	4	12	-	-	-	-	4	-	-	23
POWDER RIVER	20	2	-	3	1	2	9	1	-	-	-	-	-	-	2
POWELL	67	3	-	15	3	5	19	-	-	-	-	1	-	-	21
PRAIRIE	13	-	-	5	1	-	4	-	-	-	-	1	-	-	2
RAVALLI	358	20	-	94	19	7	68	-	-	-	10	-	-	-	140
RICHLAND	94	5	-	17	4	1	20	-	-	-	4	3	-	-	40
ROOSEVELT	117	7	-	20	10	10	29	-	-	-	-	-	-	-	41
ROSEBUD	71	8	-	13	4	2	17	-	-	-	3	1	-	-	23
SANDERS	115	9	-	29	10	7	23	-	-	-	-	1	-	-	36
SHERIDAN	69	2	-	19	4	-	24	-	-	-	1	7	-	-	12
SILVER BOW	423	28	-	75	18	15	128	-	-	-	3	5	-	-	151
STILLWATER	75	8	-	21	3	2	17	-	-	-	1	1	-	-	22
SWEET GRASS	44	3	-	8	3	2	13	-	-	-	1	-	-	-	14
TETON	44	-	-	17	2	2	8	-	-	-	-	1	-	-	14
TOOLE	61	1	-	17	8	1	12	-	-	-	4	1	-	-	17
TREASURE	6	-	-	3	2	-	-	-	-	-	-	1	-	-	-
VALLEY	92	6	-	22	3	11	17	-	-	-	-	3	-	-	30
WHEATLAND	19	1	-	4	-	1	7	-	-	-	1	1	1	-	3
WIBAUX	20	2	-	6	-	-	4	-	-	-	-	-	-	-	8
YELLOWSTONE	1,245	50	-	304	76	30	284	1	1	-	24	17	2	-	456
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* INCLUDES "STROKE."

TABLE D-5

**FREQUENCY OF DEATH FROM SELECTED CANCERS
BY SEX OF DECEDENT AND YEAR OF DEATH
MONTANA RESIDENTS, 1954-2006**

YEAR OF DEATH	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT																		
	SEX		PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER		UTERUS	HODGKIN'S AND NONHODGKIN'S LYMPHOMA		OVARY	PANCREAS		CERVIX	OTHER CANCERS		
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	FEMALE	MALE	FEMALE	
1954	511	357	67	-	77	94	12	55	46	13	6	28	18	11	25	28	17	17	236	118	
1955	458	371	55	-	73	73	13	47	62	18	3	13	17	10	24	27	17	23	221	133	
1956	529	403	68	-	73	99	25	75	61	24	6	27	14	15	22	28	19	28	221	127	
1957	517	360	63	-	63	110	10	69	53	19	8	19	19	8	23	33	17	27	204	132	
1958	474	385	52	2	74	100	12	59	54	21	7	22	17	14	22	26	11	17	197	152	
1959	556	364	66	-	71	88	9	84	49	25	8	14	18	13	26	40	25	25	235	124	
1960	557	401	78	-	85	121	17	81	56	16	7	20	32	9	25	30	20	26	199	136	
1961	524	441	62	-	98	115	23	78	76	20	7	17	22	14	27	30	21	27	197	131	
1962	528	383	65	-	84	109	12	64	54	15	3	14	26	14	28	44	22	21	205	131	
1963	543	353	59	1	68	103	16	71	51	19	8	16	31	13	20	32	21	20	227	120	
1964	577	409	78	1	79	114	13	65	57	19	6	20	32	11	26	40	16	32	228	149	
1965	546	387	71	-	78	121	23	73	66	20	4	15	25	17	23	43	17	23	193	121	
1966	571	398	59	-	87	125	16	65	63	23	5	23	26	18	24	45	16	15	228	131	
1967	549	452	66	-	98	121	26	81	63	26	6	19	20	17	37	39	18	28	196	140	
1968	604	476	66	-	96	150	23	64	59	38	4	18	33	16	38	46	31	22	207	169	
1969	619	422	66	-	93	158	28	83	71	26	7	15	34	23	19	39	23	13	213	130	
1970	598	461	75	2	101	152	34	66	74	31	9	14	23	17	26	43	24	20	206	142	
1971	643	408	70	3	88	177	35	78	58	35	8	11	23	15	17	35	27	18	222	131	
1972	637	485	79	-	92	164	44	85	69	25	7	16	17	20	25	37	34	16	230	162	
1973	580	481	86	-	85	172	37	67	87	19	8	9	19	21	25	30	42	15	187	152	
1974	629	501	76	1	88	196	48	79	80	25	5	19	31	24	28	33	42	22	188	145	
1975	629	476	74	-	85	167	53	81	70	20	4	20	20	20	30	33	34	15	234	145	
1976	684	507	92	-	107	197	58	90	70	24	13	18	30	17	29	31	35	9	220	151	
1977	677	507	81	-	90	207	60	82	66	28	7	16	28	13	35	42	34	13	209	173	
1978	703	530	113	1	95	199	86	85	72	26	9	22	24	17	36	38	26	14	217	153	
1979	672	568	99	1	105	194	69	77	84	27	12	23	17	18	39	37	31	20	220	167	
1980	743	548	91	-	98	237	75	83	82	23	9	14	26	26	34	49	36	15	234	159	
1981	712	631	109	-	125	207	92	84	84	21	15	13	25	31	40	36	29	9	230	193	
1982	757	627	120	2	130	218	92	82	70	27	11	32	18	21	37	42	31	15	248	188	
1983	732	618	92	2	112	218	90	73	64	24	3	20	30	22	45	38	54	12	255	196	
1984	763	704	88	1	124	231	128	83	91	17	11	28	28	26	38	43	39	16	272	203	
1985	829	616	118	1	108	223	118	100	84	44	8	23	27	26	35	48	31	15	268	168	
1986	791	684	134	-	130	233	124	91	85	30	12	25	26	22	42	37	43	17	240	184	
1987	832	684	121	3	124	259	117	103	95	23	7	23	34	29	50	28	39	9	261	191	
1988	831	730	110	4	117	251	163	95	74	25	16	17	35	34	44	41	50	16	270	199	
1989	880	713	150	-	127	257	133	106	105	33	9	18	41	18	43	35	40	17	258	203	
1990	863	767	130	-	151	267	140	92	88	25	17	28	30	42	35	33	50	11	286	205	
1991	894	762	118	1	122	289	175	95	87	31	8	20	42	37	42	46	53	13	272	205	
1992	927	783	147	-	143	279	162	86	79	25	14	22	39	32	45	31	60	14	320	212	
1993	941	797	158	3	138	278	172	107	94	24	12	21	37	37	43	48	45	19	286	216	
1994	975	765	133	1	123	283	174	99	85	35	9	18	45	33	45	51	43	12	328	223	
1995	918	847	125	-	159	263	201	89	83	40	6	19	43	36	51	57	55	8	301	229	
1996	942	820	125	-	143	291	194	95	86	20	9	20	39	47	41	38	42	13	334	225	
1997	958	821	151	-	116	264	212	100	80	32	13	18	58	40	54	44	37	11	309	240	
1998	1,009	807	125	2	118	321	204	95	70	36	13	27	44	35	46	54	38	12	332	244	
1999	978	867	128	3	122	288	217	93	92	29	13	19	32	52	52	49	40	15	356	245	
2000	1,008	853	108	2	130	279	204	108	90	37	17	26	41	30	50	57	43	13	376	250	
2001	1,045	907	124	-	124	322	256	105	80	39	15	23	56	35	43	39	61	7	360	263	
2002	959	942	110	2	150	287	240	100	84	28	11	31	38	29	64	45	44	9	349	280	
2003	961	877	109	1	115	298	236	78	86	34	13	20	41	43	50	48	41	12	352	261	
2004	963	895	130	1	138	262	240	80	69	39	16	29	49	37	52	58	55	10	344	249	
2005	1,020	927	129	-	134	301	249	99	88	33	14	33	44	36	59	60	53	11	354	250	
2006	1,023	917	129	0	111	287	237	100	104	30	9	28	41	31	50	66	62	10	370	275	

*Data for this table were coded using six different revisions of the International Classification of Diseases (ICD), which were implemented in the following years: ICD-6 (1949 - 1957); ICD-7 (1958-1967); ICD-8 (1968-1978); ICD-9 (1979-1998); ICD-10 (1999-present).

TABLE D-6

COUNTY	ALL CANCERS		SITE OF CANCER AND SEX OF DECEDENT								
			PROSTATE	BREAST		TRACHEA, LUNG, AND BRONCHUS		COLON, RECTUM, AND ANUS		BLADDER	
	MALE	FEMALE	MALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
MONTANA TOTAL	1,023	917	129	-	111	287	237	100	104	30	9
BEAVERHEAD	8	6	1	-	-	2	1	-	1	-	-
BIG HORN	6	14	1	-	1	1	3	-	-	-	-
BLAINE	6	9	2	-	2	-	2	-	1	-	-
BROADWATER	13	9	3	-	-	5	3	-	2	-	-
CARBON	9	14	3	-	-	-	1	2	5	-	1
CARTER	1	-	1	-	-	-	-	-	-	-	-
CASCADE	80	79	6	-	6	28	24	7	12	5	-
CHOUTEAU	5	6	-	-	-	2	2	-	-	1	-
CUSTER	14	14	-	-	-	2	4	1	3	-	1
DANIELS	3	1	1	-	-	1	-	1	-	-	-
DAWSON	11	6	2	-	-	2	-	-	-	-	-
DEER LODGE	14	9	1	-	1	5	1	1	3	-	-
FALLON	4	9	1	-	2	1	4	-	1	-	-
FERGUS	10	18	2	-	2	3	5	2	3	-	-
FLATHEAD	80	68	14	-	7	18	19	6	6	2	1
GALLATIN	41	51	3	-	3	7	12	5	3	2	-
GARFIELD	4	1	-	-	-	1	-	1	-	-	-
GLACIER	15	11	1	-	1	2	4	4	-	-	-
GOLDEN VALLEY	2	3	-	-	-	2	1	-	1	-	-
GRANITE	-	-	-	-	-	-	-	-	-	-	-
HILL	23	16	2	-	3	7	4	4	1	-	-
JEFFERSON	11	10	2	-	-	4	2	-	-	-	-
JUDITH BASIN	6	-	1	-	-	1	-	-	-	-	-
LAKE	44	30	6	-	4	11	5	2	4	1	-
LEWIS & CLARK	57	61	7	-	5	18	19	5	7	2	1
LIBERTY	3	3	-	-	-	-	-	-	1	-	1
LINCOLN	30	22	1	-	4	10	7	4	4	1	-
MCCONE	4	1	2	-	-	1	-	-	-	-	1
MADISON	6	4	1	-	-	1	-	-	1	1	-
MEAGHER	2	4	1	-	-	1	-	-	-	-	-
MINERAL	11	3	1	-	-	5	2	-	-	-	-
MISSOULA	97	80	15	-	16	32	22	5	6	1	-
MUSSELSHELL	3	5	-	-	-	1	2	-	1	-	-
PARK	17	13	3	-	4	5	4	-	1	1	-
PETROLEUM	-	1	-	-	1	-	-	-	-	-	-
PHILLIPS	8	4	-	-	-	3	2	1	-	-	-
PONDERA	8	7	2	-	1	-	1	2	-	-	-
POWDER RIVER	1	2	-	-	-	-	-	1	1	-	-
POWELL	11	4	2	-	2	6	-	-	1	1	-
PRAIRIE	2	3	-	-	1	1	1	-	1	-	-
RAVALLI	47	47	8	-	6	14	14	4	2	2	-
RICHLAND	10	7	1	-	1	1	3	4	1	-	-
ROOSEVELT	12	8	-	-	1	2	1	2	1	-	-
ROSEBUD	8	5	1	-	1	1	2	2	-	-	-
SANDERS	18	11	1	-	1	8	2	1	1	-	1
SHERIDAN	9	10	-	-	2	1	-	1	-	1	-
SILVER BOW	36	39	4	-	8	9	9	8	7	-	-
STILLWATER	9	12	2	-	1	2	4	1	3	1	-
SWEET GRASS	3	5	1	-	1	1	1	-	-	-	1
TETON	7	10	2	-	1	2	2	-	1	-	-
TOOLE	12	5	1	-	-	4	2	-	1	1	-
TREASURE	2	1	-	-	-	2	1	-	-	-	-
VALLEY	10	12	1	-	2	2	3	3	1	-	-
WHEATLAND	2	2	-	-	-	-	1	1	-	1	-
WIBAUX	4	2	-	-	1	-	-	-	1	-	-
YELLOWSTONE	164	140	19	-	19	49	35	19	15	6	1
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-

TABLE D-7

**FREQUENCY OF INFANT DEATH BY BRIDGED RACE*, AGE, AND UP TO 130 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH**	TOTAL UNDER 1 YEAR				LESS THAN 8 DAYS				8 TO 28 DAYS				29 D
	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	TOTAL	WHITE RACE	NAT. Am.	OTHER RACE	
ALL CAUSES	70	48	19	3	21	12	7	2	10	8	2	-	39
CERTAIN INFECTIOUS AND PARASITIC DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	1
(1) CERTAIN INTESTINAL INFECTIOUS DISEASES	1	-	1	-	-	-	-	-	-	-	-	-	1
(#) DISEASES OF THE BLOOD AND BLOOD-FORMING ORGANS AND CERTAIN DISORDERS INVOLVING THE IMMUNE MECHANISM	1	1	-	-	-	-	-	-	-	-	-	-	1
(26#) HEMORRHAGIC CONDITIONS AND OTHER DISEASES OF BLOOD-FORMING ORGANS	1	1	-	-	-	-	-	-	-	-	-	-	1
ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	1	1	-	-	-
(32#) ALL OTHER ENDOCRINE, NUTRITIONAL AND METABOLIC DISEASES	1	1	-	-	-	-	-	-	1	1	-	-	-
DISEASES OF THE NERVOUS SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-
(37#) OTHER DISEASES OF NERVOUS SYSTEM	1	1	-	-	1	1	-	-	-	-	-	-	-
DISEASES OF THE RESPIRATORY SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1
(52) OTHER AND UNSPECIFIED DISEASES OF RESPIRATORY SYSTEM	1	-	1	-	-	-	-	-	-	-	-	-	1
DISEASES OF THE DIGESTIVE SYSTEM	2	1	1	-	-	-	-	-	-	-	-	-	2
(53#) GASTRITIS DUODENITIS AND NONINFECTIVE ENTERITIS AND COLITIS	1	-	1	-	-	-	-	-	-	-	-	-	1
(55) ALL OTHER AND UNSPECIFIED DISEASES OF THE DIGESTIVE SYSTEM	1	1	-	-	-	-	-	-	-	-	-	-	1
CERTAIN CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	18	12	5	1	13	8	4	1	4	3	1	-	1
NEWBORN AFFECTED BY MATERNAL FACTORS AND BY COMPLICATIONS OF PREGNANCY, LABOR AND DELIVERY	5	3	2	-	4	2	2	-	-	-	-	-	1
(8#) NEWBORN AFFECTED BY MATERNAL COMPLICATIONS OF PREGNANCY	2	1	1	-	2	1	1	-	-	-	-	-	-
(61) NEWBORN AFFECTED BY PREMATURE RUPTURE OF MEMBRANES	2	1	1	-	2	1	1	-	-	-	-	-	-
(8#) NEWBORN AFFECTED BY COMPLICATIONS OF PLACENTA, CORD AND MEMBRANES	3	2	1	-	2	1	1	-	-	-	-	-	1
(64) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING PLACENTA	2	1	1	-	2	1	1	-	-	-	-	-	-
(65) NEWBORN AFFECTED BY COMPLICATIONS INVOLVING CORD	1	1	-	-	-	-	-	-	-	-	-	-	1
DISORDERS RELATED TO LENGTH OF GESTATION AND FETAL MALNUTRITION	5	3	1	1	5	3	1	1	-	-	-	-	-
(71) EXTREMELY LOW BIRTH WEIGHT OR EXTREME IMMATUREITY	4	2	1	1	4	2	1	1	-	-	-	-	-
(72) OTHER LOW BIRTH WEIGHT OR PRETERM	1	1	-	-	1	1	-	-	-	-	-	-	-
(77#) RESPIRATORY DISTRESS OF NEWBORN	3	2	1	-	3	2	1	-	-	-	-	-	-
OTHER RESPIRATORY CONDITIONS ORIGINATING IN THE PERINATAL PERIOD	1	-	1	-	-	-	-	-	1	-	1	-	-
(78#) CONGENITAL PNEUMONIA	1	-	1	-	-	-	-	-	1	-	1	-	-
INFECTIONS SPECIFIC TO THE PERINATAL PERIOD	1	1	-	-	-	-	-	-	1	1	-	-	-
(85#) BACTERIAL SEPSIS OF THE NEWBORN	1	1	-	-	-	-	-	-	1	1	-	-	-
HEMORRHAGIC AND HEMATOLOGICAL DISORDERS OF THE NEWBORN	1	1	-	-	1	1	-	-	-	-	-	-	-
(88#) NEONATAL HEMORRAGE	1	1	-	-	1	1	-	-	-	-	-	-	-
(93#) NECROTIZING ENTEROCOLITIS OF NEWBORN	1	1	-	-	-	-	-	-	1	1	-	-	-
(95) OTHER PERINATAL CONDITIONS	1	1	-	-	-	-	-	-	1	1	-	-	-
(#) CONGENITAL MALFORMATIONS, DEFORMITIES AND CHROMOSOMAL ABNORMALITIES	16	11	4	1	7	3	3	1	3	3	-	-	6
(96) ANENCEPHALY AND SIMILAR MALFORMATION	1	1	-	-	1	1	-	-	-	-	-	-	-
(99) OTHER CONGENITAL MALFORMATIONS OF NERVOUS SYSTEM	3	2	-	1	1	-	-	1	-	-	-	-	2
(100) CONGENITAL MALFORMATIONS OF THE HEART	3	3	-	-	1	1	-	-	2	2	-	-	-
(101) OTHER CONGENITAL MALFORMATIONS OF THE CIRCULATORY SYSTEM	3	2	1	-	1	-	1	-	1	1	-	-	1
(104) CONGENITAL MALFORMATIONS OF GENITOURINARY SYSTEM	2	1	1	-	2	1	1	-	-	-	-	-	-
(105) CONGENITAL MALFORMATIONS AND DEFORMATIONS OF MUSCULOSKELETAL SYSTEM, LIMBS AND INTEGUMENT	1	1	-	-	-	-	-	-	-	-	-	-	1
(106) DOWN'S SYNDROME	1	-	1	-	-	-	-	-	-	-	-	-	1
(108) Patau's Syndrome	1	-	1	-	1	-	1	-	-	-	-	-	-
(110) OTHER CHROMOSOMAL ABNORMALITIES, NOT ELSE WHERE CLASSIFIED SYMPTOMS	1	1	-	-	-	-	-	-	-	-	-	-	1
SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	20	15	4	1	-	-	-	-	2	1	1	-	18
(111#) SUDDEN INFANT DEATH SYNDROME	13	12	1	-	-	-	-	-	-	-	-	-	13
(112) OTHER SYMPTOMS, SIGNS AND ABNORMAL CLINICAL AND LABORATORY FINDINGS, NOT ELSE WHERE CLASSIFIED	1	1	-	-	-	-	-	-	1	1	-	-	-
EXTERNAL CAUSES OF MORTALITY	9	6	3	-	-	-	-	-	-	-	-	-	9
(#) ACCIDENTS	6	3	3	-	-	-	-	-	-	-	-	-	6
TRANSPORT ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	2
(114) MOTOR VEHICLE ACCIDENTS	2	1	1	-	-	-	-	-	-	-	-	-	2
(118) ACCIDENTAL DROWNING AND SUBMERSION	1	1	-	-	-	-	-	-	-	-	-	-	1
(119) ACCIDENTAL SUFFICATION AND STRANGULATION IN BED	2	-	2	-	-	-	-	-	-	-	-	-	2
(120) OTHER ACCIDENTAL SUFFICATION AND STRANGULATION	1	1	-	-	-	-	-	-	-	-	-	-	1
(#) ASSAULT (HOMICIDE)	3	3	-	-	-	-	-	-	-	-	-	-	3
(127) NEGLIGENCE, ABANDONMENT AND OTHER MALTREATMENT SYNDROMES	1	1	-	-	-	-	-	-	-	-	-	-	1
(130) OTHER EXTERNAL CAUSES AND THEIR SEQUELAE	3	3	-	-	-	-	-	-	-	-	-	-	3

* MULTIPLE RACES MAY BE REPORTED FOR DECEDENTS. WHEN TWO OR MORE RACES ARE REPORTED, ONE OF THE REPORTED RACES IS ASSIGNED AS A "MAIN" RACE BY A PROBABLISTIC MODEL DEVELOPED BY THE NATIONAL CENTER FOR HEALTH STATISTICS (NCHS). SEE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 13- SELECTED UNDERLYING CAUSES OF DEATH. LINE NUMBERS SHOWN IN PARENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 4. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE D-8

**FREQUENCY OF INFANT DEATH BY RACE*, AGE, AND COUNTY OF RESIDENCE
FIVE-YEAR INFANT MORTALITY RATE BY COUNTY OF RESIDENCE
MONTANA, 2006**

COUNTY	TOTAL UNDER 1 YEAR			1 TO 7 DAYS			8 TO 27 DAYS			28 DAYS TO 1 YEAR			INFANT MORTALITY RATE+ 2001-2005		
	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	TOTAL	WHITE	OTHER	DEATHS	BIRTHS	RATE
MONTANA TOTAL	70	48	22	21	12	9	10	8	2	39	28	11	362	58,015	6.2
BEAVERHEAD	1	1	-	-	-	-	-	-	-	1	1	-	2	441	4.5
BIG HORN	2	-	2	1	-	1	-	-	-	1	-	1	7	1,309	5.3
BLAINE	1	1	-	-	-	-	-	-	-	1	1	-	5	578	8.7
BROADWATER	1	1	-	1	1	-	-	-	-	-	-	-	2	186	10.8
CARBON	-	-	-	-	-	-	-	-	-	-	-	-	1	437	2.3
CARTER	-	-	-	-	-	-	-	-	-	-	-	-	-	36	-
CASCADE	5	2	3	1	-	1	1	1	-	3	1	2	35	5,627	6.2
CHOUTEAU	1	-	1	-	-	-	1	-	1	-	-	-	3	220	13.6
CUSTER	2	2	-	-	-	-	1	1	-	1	1	-	5	699	7.2
DANIELS	-	-	-	-	-	-	-	-	-	-	-	-	-	65	-
DAWSON	-	-	-	-	-	-	-	-	-	-	-	-	4	453	8.8
DEER LODGE	-	-	-	-	-	-	-	-	-	-	-	-	5	384	13.0
FALLON	-	-	-	-	-	-	-	-	-	-	-	-	1	172	5.8
FERGUS	1	1	-	-	-	-	-	-	-	1	1	-	2	496	4.0
FLATHEAD	4	4	-	1	1	-	2	2	-	1	1	-	28	5,273	5.3
GALLATIN	7	7	-	3	3	-	1	1	-	3	3	-	28	5,212	5.4
GARFIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	85	-
GLACIER	1	-	1	1	-	1	-	-	-	-	-	-	14	1,307	10.7
GOLDEN VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	-	42	-
GRANITE	2	2	-	-	-	-	-	-	-	2	2	-	3	113	26.5
HILL	3	-	3	1	-	1	1	-	1	1	-	1	10	1,318	7.6
JEFFERSON	-	-	-	-	-	-	-	-	-	-	-	-	3	500	6.0
JUDITH BASIN	-	-	-	-	-	-	-	-	-	-	-	-	-	76	-
LAKE	2	1	1	-	-	-	-	-	-	2	1	1	13	1,932	6.7
LEWIS & CLARK	6	6	-	2	2	-	1	1	-	3	3	-	29	3,450	8.4
LIBERTY	-	-	-	-	-	-	-	-	-	-	-	-	-	64	-
LINCOLN	-	-	-	-	-	-	-	-	-	-	-	-	7	893	7.8
MCCONE	-	-	-	-	-	-	-	-	-	-	-	-	-	66	-
MADISON	-	-	-	-	-	-	-	-	-	-	-	-	-	251	-
MEAGHER	-	-	-	-	-	-	-	-	-	-	-	-	1	111	9.0
MINERAL	1	1	-	-	-	-	-	-	-	1	1	-	4	227	17.6
MISSOULA	4	3	1	2	1	1	-	-	-	2	2	-	30	5,854	5.1
MUSSELSHELL	1	1	-	1	1	-	-	-	-	-	-	-	2	233	8.6
PARK	-	-	-	-	-	-	-	-	-	-	-	-	6	776	7.7
PETROLEUM	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
PHILLIPS	-	-	-	-	-	-	-	-	-	-	-	-	1	193	5.2
PONDERA	2	1	1	1	1	-	-	-	-	1	-	1	2	383	5.2
POWDER RIVER	-	-	-	-	-	-	-	-	-	-	-	-	-	53	-
POWELL	-	-	-	-	-	-	-	-	-	-	-	-	-	269	-
PRAIRIE	-	-	-	-	-	-	-	-	-	-	-	-	-	34	-
RAVALLI	3	3	-	-	-	-	1	1	-	2	2	-	11	2,153	5.1
RICHLAND	1	1	-	1	1	-	-	-	-	-	-	-	1	478	2.1
ROOSEVELT	3	-	3	1	-	1	-	-	-	2	-	2	13	1,108	11.7
ROSEBUD	1	-	1	1	-	1	-	-	-	-	-	-	8	856	9.3
SANDERS	1	1	-	-	-	-	-	-	-	1	1	-	4	494	8.1
SHERIDAN	-	-	-	-	-	-	-	-	-	-	-	-	1	113	8.8
SILVER BOW	1	1	-	-	-	-	-	-	-	1	1	-	10	1,934	5.2
STILLWATER	1	1	-	-	-	-	1	1	-	-	-	-	6	483	12.4
SWEET GRASS	-	-	-	-	-	-	-	-	-	-	-	-	2	184	10.9
TETON	1	1	-	1	1	-	-	-	-	-	-	-	1	311	3.2
TOOLE	-	-	-	-	-	-	-	-	-	-	-	-	-	222	-
TREASURE	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-
VALLEY	-	-	-	-	-	-	-	-	-	-	-	-	3	396	7.6
WHEATLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	100	-
WIBAUX	-	-	-	-	-	-	-	-	-	-	-	-	-	35	-
YELLOWSTONE	11	6	5	2	-	2	-	-	-	9	6	3	49	9,282	5.3
YELLOWSTONE PARK	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
NOT STATED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* MULTIPLE RACES MAY BE REPORTED FOR DECEDENTS. WHEN TWO OR MORE RACES ARE REPORTED, ONE OF THE REPORTED RACES IS ASSIGNED AS A "MAIN" RACE BY A PROBABILISTIC MODEL DEVELOPED BY THE NATIONAL CENTER FOR HEALTH STATISTICS (NCHS). SEE THE DISCUSSION OF RACE IN THE INTRODUCTORY SECTION OF THIS REPORT. ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

+ PER 1,000 LIVE BIRTHS.

TABLE D-9

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1930-2006

ICD-9	051		032		487		055		036	
ICD-10	A05		A36		J10-J11		B05		A39	
YEAR	BOTULISM+		DIPHTHERIA		INFLUENZA		MEASLES		MENINGOCOCCAL INFECTION	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1930	7	1.3	4	0.7	102	19.0	12	2.2	22	4.1
1935	3	0.5	14	2.5	173	31.5	49	8.9	15	2.7
1940	2	0.4	6	1.1	77	13.8	5	0.9	6	1.1
1945	1	0.2	4	0.8	47	9.3	1	0.2	3	0.6
1946	1	0.2	5	1.0	25	4.8	3	0.6	3	0.6
1947	1	0.2	2	0.4	33	6.1	13	2.4	3	0.6
1948	3	0.5	3	0.5	13	2.3	12	2.2	1	0.2
1949	2	0.3	3	0.5	13	2.3	3	0.5	3	0.5
1950	-	--	2	0.3	23	3.9	-	--	1	0.2
1951	2	0.3	-	--	30	5.0	9	1.5	5	0.8
1952	-	--	1	0.2	22	3.7	4	0.7	4	0.7
1953	-	--	3	0.5	59	9.6	4	0.6	2	0.3
1954	-	--	3	0.5	6	1.0	5	0.8	6	1.0
1955	-	--	1	0.2	12	1.9	4	0.6	5	0.8
1956	-	--	1	0.2	4	0.6	1	0.2	7	1.1
1957	-	--	1	0.1	25	3.7	3	0.4	3	0.4
1958	-	--	-	--	14	2.1	2	0.3	4	0.6
1959	-	--	-	--	15	2.2	5	0.7	3	0.4
1960	-	--	-	--	37	5.5	1	0.1	3	0.4
1961	-	--	-	--	8	1.2	1	0.1	1	0.1
1962	-	--	-	--	12	1.7	-	--	4	0.6
1963	-	--	-	--	31	4.4	-	--	3	0.4
1964	1	0.1	-	--	29	4.1	2	0.3	2	0.3
1965	-	--	-	--	5	0.7	-	--	3	0.4
1966	1	0.1	-	--	49	7.0	-	--	2	0.3
1967	-	--	-	--	3	0.4	-	--	2	0.3
1968	-	--	-	--	30	4.3	-	--	2	0.3
1969	-	--	-	--	38	5.5	2	0.3	2	0.3
1970	-	--	2	0.3	8	1.2	-	--	1	0.1
1971	-	--	-	--	9	1.3	2	0.3	2	0.3
1972	-	--	-	--	15	2.1	-	--	2	0.3
1973	-	--	-	--	43	6.0	-	--	2	0.3
1974	-	--	-	--	11	1.5	-	--	1	0.1
1975	-	--	-	--	17	2.3	-	--	-	--
1976	-	--	-	--	95	12.6	-	--	-	--
1977	-	--	-	--	9	1.2	-	--	2	0.3
1978	-	--	-	--	19	2.4	-	--	2	0.3
1979	-	--	-	--	4	0.5	-	--	4	0.5
1980	-	--	-	--	24	3.1	-	--	-	--
1981	1	0.1	-	--	10	1.3	-	--	1	0.1
1982	-	--	-	--	8	1.0	-	--	1	0.1
1983	-	--	-	--	26	3.2	-	--	1	0.1
1984	-	--	-	--	19	2.3	-	--	-	--
1985	-	--	-	--	24	2.9	-	--	3	0.4
1986	-	--	-	--	24	2.9	-	--	-	--
1987	-	--	-	--	9	1.1	-	--	-	--
1988	-	--	-	--	21	2.6	-	--	-	--
1989	-	--	-	--	19	2.4	-	--	-	--
1990	-	--	-	--	15	1.9	-	--	2	0.2
1991	-	--	-	--	7	0.9	-	--	-	--
1992	-	--	-	--	7	0.8	-	--	-	--
1993	-	--	-	--	13	1.5	-	--	-	--
1994	-	--	-	--	15	1.7	-	--	1	0.1
1995	-	--	-	--	6	0.7	-	--	1	0.1
1996	-	--	-	--	11	1.2	-	--	2	0.2
1997	-	--	-	--	-	--	-	--	-	--
1998	-	--	-	--	60	6.7	-	--	-	--
1999	-	--	-	--	35	3.9	-	--	1	0.1
2000	-	--	-	--	10	1.1	-	--	-	--
2001	-	--	-	--	3	0.3	-	--	2	0.2
2002	-	--	-	--	7	0.8	-	--	-	--
2003	-	--	-	--	18	2.0	-	--	-	--
2004	-	--	-	--	4	0.4	-	--	-	--
2005	-	--	-	--	26	2.8	-	--	-	--
2006	-	--	-	--	6	0.6	-	--	-	--

* DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION.

TABLE D-9 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*
MONTANA, 1930-2006

ICD-9	045 138		082.0		137 -1---18		002.0		033	
ICD-10	A80		A77		A16-A19		A010		A37	
YEAR	POLIOMYELITIS		ROCKY MOUNTAIN SPOTTED FEVER+		TUBERCULOSIS		TYPHOID FEVER		WHOOPIING COUGH	
	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**	NUMBER	RATE**
1930	6	1.1	9	1.7	337	62.7	16	3.0	16	3.0
1935	1	0.2	21	3.8	257	46.8	12	2.2	22	4.0
1940	7	1.3	7	1.3	231	41.3	3	0.5	5	0.9
1945	10	2.0	1	0.2	171	33.9	2	0.4	2	0.4
1946	5	1.0	5	1.0	164	31.4	2	0.4	2	0.4
1947	4	0.7	1	0.2	152	28.2	1	0.2	6	1.1
1948	6	1.1	1	0.2	146	26.2	-	--	6	1.1
1949	13	2.3	-	--	109	19.0	1	0.2	2	0.3
1950	3	0.5	1	0.2	114	19.3	-	--	10	1.7
1951	6	1.0	-	--	85	14.3	1	0.2	1	0.2
1952	8	1.3	1	0.2	79	13.1	1	0.2	1	0.2
1953	14	2.3	-	--	77	12.5	-	--	4	0.6
1954	9	1.4	-	--	62	9.9	-	--	1	0.2
1955	8	1.3	-	--	50	7.9	-	--	1	0.2
1956	-	--	-	--	48	7.3	-	--	1	0.2
1957	2	0.3	-	--	68	10.2	-	--	2	0.3
1958	5	0.8	-	--	45	6.8	-	--	-	--
1959	2	0.3	-	--	37	5.5	-	--	-	--
1960	7	1.0	1	0.1	31	4.6	-	--	1	0.1
1961	1	0.1	-	--	24	3.5	1	0.1	-	--
1962	-	--	-	--	32	4.5	-	--	-	--
1963	-	--	-	--	27	3.8	-	--	-	--
1964	-	--	-	--	28	4.0	1	0.1	-	--
1965	-	--	-	--	22	3.1	-	--	-	--
1966	-	--	-	--	21	3.0	-	--	-	--
1967	-	--	-	--	17	2.4	-	--	-	--
1968	1	0.1	-	--	15	2.2	-	--	-	--
1969	-	--	-	--	16	2.3	-	--	-	--
1970	-	--	-	--	12	1.7	-	--	-	--
1971	1	0.1	-	--	1-	1.4	-	--	1	0.1
1972	-	--	-	--	11	1.5	-	--	-	--
1973	-	--	-	--	13	1.8	-	--	-	--
1974	1	0.1	-	--	17	2.3	-	--	-	--
1975	1	0.1	1	0.1	13	1.7	-	--	-	--
1976	-	--	-	--	9	1.2	-	--	-	--
1977	-	--	-	--	4	0.5	-	--	-	--
1978	1	0.1	-	--	11	1.4	-	--	-	--
1979	-	--	-	--	5	0.6	-	--	-	--
1980	-	--	-	--	6	0.8	-	--	-	--
1981	-	--	-	--	7	0.9	-	--	-	--
1982	-	--	-	--	7	0.9	-	--	-	--
1983	1	0.1	-	--	1	0.1	-	--	-	--
1984	2	0.2	-	--	10	1.2	-	--	-	--
1985	-	--	-	--	5	0.6	-	--	1	0.1
1986	-	--	-	--	5	0.6	-	--	-	--
1987	-	--	-	--	4	0.5	-	--	-	--
1988	1	0.1	-	--	2	0.2	-	--	-	--
1989	2	0.2	-	--	5	0.6	-	--	-	--
1990	-	--	-	--	2	0.2	-	--	-	--
1991	1	0.1	-	--	4	0.5	-	--	-	--
1992	1	0.1	-	--	4	0.5	-	--	-	--
1993	-	--	-	--	2	0.2	-	--	-	--
1994	-	--	-	--	6	0.7	-	--	-	--
1995	2	0.2	-	--	2	0.2	-	--	-	--
1996	2	0.2	-	--	1	0.1	-	--	1	0.1
1997	-	--	-	--	-	--	-	--	-	--
1998	1	0.1	-	--	4	0.4	-	--	-	--
1999	-	--	-	--	3	0.3	-	--	-	--
2000	-	--	-	--	2	0.2	-	--	-	--
2001	1	0.1	-	--	3	0.3	-	--	-	--
2002	1	0.1	-	--	-	--	-	--	-	--
2003	2	0.2	-	--	1	0.1	-	--	-	--
2004	2	0.2	-	--	-	--	-	--	-	--
2005	2	0.2	-	--	2	0.2	-	--	1	0.1
2006	5	0.5	-	--	1	0.1	-	--	-	--

* DATA FOR 1930-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.

** PER 100,000 ESTIMATED MIDYEAR POPULATION.

TABLE D-10

**FREQUENCY OF MATERNAL AND LATE MATERNAL DEATHS* BY YEAR
MONTANA RESIDENTS, 2003-2006**

CAUSE OF DEATH	2003	2004	2005	2006
Total, all Maternal and Late Maternal Causes	5	9	6	2
Maternal causes (A34,O00-O95,O98-O99)	2	2	1	-
Pregnancy with abortive outcome (O00-O07)	-	-	-	-
Ectopic pregnancy (O00)	-	-	-	-
Spontaneous abortion (O03)	-	-	-	-
Medical abortion (O04)	-	-	-	-
Other abortion (O05)	-	-	-	-
Other and unspecified pregnancy with abortive outcome (O01-O02,O06-O07)	-	-	-	-
Other direct obstetric causes (A34,O10-O92)	-	2	-	-
Eclampsia and pre-eclampsia (O11,O13-O16)	-	-	-	-
Hemorrhage of pregnancy and childbirth and placenta previa (O20,O44-O46,O67,O72)	-	1	-	-
Complications predominately related to the puerperium (A34,O85-O92)	-	-	-	-
Obstetrical tetanus (A34)	-	-	-	-
Obstetric embolism (O88)	-	-	-	-
Other complications predominately related to the puerperium O85-O87,O89-O92)	-	-	-	-
All other direct obstetric causes (O10,O12,O21-O43,O47-O66,O68-O71,O73-O75)	-	1	-	-
Obstetric death of unspecified cause (O95)	-	-	-	-
Indirect obstetric causes (O98-O99)	2	-	1	-
Maternal causes more than 42 days after delivery or termination of pregnancy (O96-O97)	3	7	5	2
Death from any obstetric cause occurring more than 42 days but less than one year after delivery (O96)	3	7	5	2
Death from sequelae of direct obstetric causes (O97)	-	-	-	-

* A "MATERNAL DEATH" IS THE DEATH OF A FEMALE WHILE PREGNANT OR WITHIN 42 DAYS OF TERMINATION OF PREGNANCY, IRRESPECTIVE OF THE DURATION AND SITE OF PREGNANCY, FROM ANY CAUSE RELATED TO OR AGGREGATED BY THE PREGNANCY OR ITS MANAGEMENT, BUT NOT FROM ACCIDENT OR INCIDENTAL CAUSES. MATERNAL CONDITIONS ARE THOSE ASSIGNED TO PREGNANCY, CHILDBIRTH, AND THE PUERPERIUM (ICD-10 CODES A34, O00-O95, AND O98-O99). "LATE MATERNAL DEATHS" ARE THOSE ATTRIBUTABLE TO THE SAME CAUSES BUT WHICH OCCURRED MORE THAN 42 DAYS AFTER TERMINATION OF THE PREGNANCY. THE 2003 REVISION OF THE MONTANA DEATH CERTIFICATE ADDED A PREGNANCY HISTORY ITEM WHICH INDICATES WHETHER THE DECEDENT WAS PREGNANT WITHIN THE 12 MONTHS PRIOR TO DEATH (ICD-10 CODES O96-O97). THIS NEW ITEM MAKES THE IDENTIFICATION OF A GREATER NUMBER OF MATERNAL AND LATE MATERNAL DEATHS POSSIBLE.

TABLE F-1

**FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006**

CAUSE OF DEATH**	ALL GESTATIONAL AGES						LESS THAN 23 WEEKS					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	49	17	3	23	5	1	7	3	1	2	1	-
__ Certain conditions originating in the perinatal period	42	15	3	19	4	1	6	3	1	1	1	-
__ (#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	1	1	-	-	-	-	-	-	-	-	-	-
__ (17) Fetus affected by maternal hypertensive disorders	1	1	-	-	-	-	-	-	-	-	-	-
__ (#) Fetus affected by maternal complications of pregnancy	2	1	-	1	-	-	1	1	-	-	-	-
__ (26) Fetus affected by incompetent cervix	1	1	-	-	-	-	1	1	-	-	-	-
__ (27) Fetus affected by premature rupture of membranes	1	-	-	1	-	-	-	-	-	-	-	-
__ (#) Fetus affected by complications of placenta, cord and membranes	17	4	1	9	3	-	3	-	1	1	1	-
__ (36) Fetus affected by other forms of placental separation and hemorrhage	9	1	1	5	2	-	2	-	1	1	-	-
__ (38) Fetus affected by placental transfusion syndromes	1	-	-	1	-	-	-	-	-	-	-	-
__ (40) Fetus affected by other compression of umbilical cord	5	2	-	2	1	-	1	-	-	-	1	-
__ (41) Fetus affected by other and unspecified conditions of umbilical cord	1	1	-	-	-	-	-	-	-	-	-	-
__ (42) Fetus affected by chorioamnionitis	1	-	-	1	-	-	-	-	-	-	-	-
__ (#) Disorders related to short gestation and low birth weight, not elsewhere classified	2	1	1	-	-	-	1	1	-	-	-	-
__ (55) Other low birth weight and preterm	2	1	1	-	-	-	1	1	-	-	-	-
__ (#) Intrauterine hypoxia and birth asphyxia	4	2	-	1	-	1	1	1	-	-	-	-
__ (60) Intrauterine hypoxia first noted before onset of labor	2	1	-	1	-	-	1	1	-	-	-	-
__ (62) Intrauterine hypoxia, unspecified	2	1	-	-	-	1	-	-	-	-	-	-
__ Other respiratory conditions originating in the perinatal period	1	-	-	1	-	-	-	-	-	-	-	-
__ (65#) Aspiration syndromes	1	-	-	1	-	-	-	-	-	-	-	-
__ (#) Hemolytic disease of fetus	1	1	-	-	-	-	-	-	-	-	-	-
__ (78) Rh isoimmunization of fetus	1	1	-	-	-	-	-	-	-	-	-	-
__ Other conditions originating in the perinatal period	14	5	1	7	1	-	-	-	-	-	-	-
__ (93) Condition originating in the perinatal period, unspecified	14	5	1	7	1	-	-	-	-	-	-	-
__ (#) Congenital malformations, deformations and chromosomal abnormalities	7	2	-	4	1	-	1	-	-	1	-	-
__ Congenital malformations of nervous system	1	-	-	1	-	-	-	-	-	-	-	-
__ (94) Anencephaly and similar malformations	1	-	-	1	-	-	-	-	-	-	-	-
__ Chromosomal abnormalities, not elsewhere classified	6	2	-	3	1	-	1	-	-	1	-	-
__ (117) Edward syndrome	3	2	-	1	-	-	1	-	-	1	-	-
__ (119) Other chromosomal abnormalities, not elsewhere classified	3	-	-	2	1	-	-	-	-	-	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

TABLE F-1 (CONCLUDED)
FREQUENCY OF FETAL DEATH BY RACE*, SEX, COMPLETED WEEKS OF GESTATION,
AND UP TO 124 SELECTED UNDERLYING CAUSES
MONTANA RESIDENTS, 2006

CAUSE OF DEATH**	23 TO 33 WEEKS						34 WEEKS OR MORE					
	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	SEX OTHER FEMALE	NOT STATED	TOTAL	WHITE MALE	OTHER MALE	WHITE FEMALE	OTHER FEMALE	SEX NOT STATED
All causes	18	5	1	10	1	1	24	9	1	11	3	-
Certain conditions originating in the perinatal period	14	3	1	9	-	1	22	9	1	9	3	-
(#) Fetus affected by maternal conditions that may be unrelated to present pregnancy	1	1	-	-	-	-	-	-	-	-	-	-
(17) Fetus affected by maternal hypertensive disorders	1	1	-	-	-	-	-	-	-	-	-	-
(#) Fetus affected by maternal complications of pregnancy	1	-	-	1	-	-	-	-	-	-	-	-
(26) Fetus affected by incompetent cervix	-	-	-	-	-	-	-	-	-	-	-	-
(27) Fetus affected by premature rupture of membranes	1	-	-	1	-	-	-	-	-	-	-	-
(#) Fetus affected by complications of placenta, cord and membranes	4	1	-	3	-	-	10	3	-	5	2	-
(36) Fetus affected by other forms of placental separation and hemorrhage	1	-	-	1	-	-	6	1	-	3	2	-
(38) Fetus affected by placental transfusion syndromes	1	-	-	1	-	-	-	-	-	-	-	-
(40) Fetus affected by other compression of umbilical cord	2	1	-	1	-	-	2	1	-	1	-	-
(41) Fetus affected by other and unspecified conditions of umbilical cord	-	-	-	-	-	-	1	1	-	-	-	-
(42) Fetus affected by chorioamnionitis	-	-	-	-	-	-	1	-	-	1	-	-
(#) Disorders related to short gestation and low birth weight, not elsewhere classified	1	-	1	-	-	-	-	-	-	-	-	-
(55) Other low birth weight and preterm	1	-	1	-	-	-	-	-	-	-	-	-
(#) Intrauterine hypoxia and birth asphyxia	2	-	-	1	-	1	1	1	-	-	-	-
(60) Intrauterine hypoxia first noted before onset of labor	1	-	-	1	-	-	-	-	-	-	-	-
(62) Intrauterine hypoxia, unspecified	1	-	-	-	-	1	1	1	-	-	-	-
Other respiratory conditions originating in the perinatal period	1	-	-	1	-	-	-	-	-	-	-	-
(65#) Aspiration syndromes	1	-	-	1	-	-	-	-	-	-	-	-
(#) Hemolytic disease of fetus	-	-	-	-	-	-	1	1	-	-	-	-
(78) Rh isoimmunization of fetus	-	-	-	-	-	-	1	1	-	-	-	-
Other conditions originating in the perinatal period	4	1	-	3	-	-	10	4	1	4	1	-
(93) Condition originating in the perinatal period, unspecified	4	1	-	3	-	-	10	4	1	4	1	-
(#) Congenital malformations, deformations and chromosomal abnormalities	4	2	-	1	1	-	2	-	-	2	-	-
Congenital malformations of nervous system	1	-	-	1	-	-	-	-	-	-	-	-
(94) Anencephaly and similar malformations	1	-	-	1	-	-	-	-	-	-	-	-
Chromosomal abnormalities, not elsewhere classified	3	2	-	-	1	-	2	-	-	2	-	-
(117) Edward syndrome	2	2	-	-	-	-	-	-	-	-	-	-
(119) Other chromosomal abnormalities, not elsewhere classified	1	-	-	-	1	-	2	-	-	2	-	-

* ANY RACIAL CATEGORY MAY INCLUDE "HISPANIC"; "OTHER" ALSO INCLUDES RACE NOT STATED.

**LIST OF 124 SELECTED UNDERLYING CAUSES OF FETAL DEATH. LINE NUMBERS SHOWN IN PRENTHESES ON THIS TABLE CORRESPOND TO CATEGORIES SHOWN IN FIGURE 5. THOSE MARKED WITH A # SIGN ARE RANKABLE AS LEADING CAUSES.

**FREQUENCY OF INDUCED ABORTION BY NUMBER OF PREVIOUS INDUCED ABORTIONS
AND NUMBER OF PREVIOUS PREGNANCIES
MONTANA OCCURRENCES, 2006**

[illegible]

TABLE A-2

**FREQUENCY OF INDUCED ABORTION BY AGE OF PATIENT
MONTANA OCCURRENCES, 2006**

PATIENT'S AGE	NUMBER
MONTANA TOTAL	2,119
UNDER 12	-
12-14	13
15-17	148
18-19	252
20-24	773
25-29	453
30-34	234
35-39	158
40-44	78
45 AND OVER	9
NOT STATED	1

TABLE A-3

**FREQUENCY OF INDUCED ABORTION BY COMPLETED WEEKS OF GESTATION AND BY PRIMARY PROCEDURE
MONTANA OCCURRENCES, 2006**

PRIMARY PROCEDURE *	TOTAL	LENGTH OF GESTATION IN WEEKS							
		9 OR FEWER	10-11	12-13	14-15	16-17	18-19	20 OR MORE	NOT STATED
TOTAL	2,119	1,415	329	192	88	45	34	14	2
DILATION AND EVACUATION (D&E)	110	1	-	1	20	42	33	13	-
INTRA-UT PROSTAG	-	-	-	-	-	-	-	-	-
SHARP CURRETTAGE	-	-	-	-	-	-	-	-	-
SUCTION CURRETTAGE	1,777	1,184	329	191	68	3	1	-	1
NOT STATED	-	-	-	-	-	-	-	-	-
OTHER	232	230	-	-	-	-	-	1	1

*** THE PROCEDURE THAT TERMINATED PREGNANCY, AS OPPOSED TO "ADDITIONAL PROCEDURES USED."**

TABLE A-4

**FREQUENCY OF INDUCED ABORTION BY COUNTY OF RESIDENCE AND COUNTY OF OCCURRENCE
MONTANA, 2006**

COUNTY	RESIDENCE	OCCURRENCE	COUNTY	RESIDENCE	OCCURRENCE
BEAVERHEAD	23	-	PONDERA	6	-
BIG HORN	26	-	POWDER RIVER	2	-
BLAINE	11	-	POWELL	10	-
BROADWATER	2	-	PRAIRIE	2	-
CARBON	13	-	RAVALLI	50	-
CARTER	-	-	RICHLAND	8	-
CASCADE	147	113	ROOSEVELT	15	-
CHOUTEAU	1	-	ROSEBUD	12	-
CUSTER	20	-	SANDERS	15	-
DANIELS	-	-	SHERIDAN	-	-
DAWSON	3	-	SILVER BOW	71	-
DEER LODGE	14	-	STILLWATER	9	-
FALLON	2	-	SWEET GRASS	2	-
FERGUS	10	-	TETON	1	-
FLATHEAD	177	184	TOOLE	5	-
GALLATIN	220	-	TREASURE	-	-
GARFIELD	1	-	VALLEY	5	-
GLACIER	27	-	WHEATLAND	1	-
GOLDEN VALLEY	-	-	WIBAUX	-	-
GRANITE	3	-	YELLOWSTONE	341	804
HILL	23	-	NOT STATED	25	-
JEFFERSON	8	-			
JUDITH BASIN	1	-	TOTAL, MONTANA	1,930	2,119
LAKE	46	-			
LEWIS & CLARK	111	210	OUT OF STATE		
LIBERTY	1	-	RESIDENTS		
LINCOLN	21	-	IDAHO	19	NA
MCCONE	1	-	NORTH DAKOTA	16	NA
MADISON	12	-	SOUTH DAKOTA	18	NA
MEAGHER	3	-	WYOMING	125	NA
MINERAL	3	-	OTHER STATES	10	NA
MISSOULA	379	808			
MUSSELSHELL	4	-	CANADA	-	NA
PARK	34	-	REST OF WORLD	-	NA
PETROLEUM	-	-	NOT STATED	1	NA
PHILLIPS	3	-			
		-	TOTAL	2,119	NA

TABLE M-1

**FREQUENCY AND PERCENT DISTRIBUTION OF MARRIAGES BY MONTH OF OCCURRENCE
MONTANA OCCURRENCES, 2006**

MONTH	NUMBER	PERCENT	MONTH	NUMBER	PERCENT
MONTANA, TOTAL	7,055	100.0	JULY	1,232	17.5
			AUGUST	1,062	15.1
JANUARY	313	4.4	SEPTEMBER	802	11.4
FEBRUARY	312	4.4	OCTOBER	434	6.2
MARCH	307	4.4	NOVEMBER	305	4.3
APRIL	359	5.1	DECEMBER	430	6.1
MAY	569	8.1			
JUNE	930	13.2	NOT STATED	-	-

**FREQUENCY OF MARRIAGE BY PREVIOUS MARITAL STATUS AND AGE OF BRIDE AND
BY PREVIOUS MARTIAL STATUS AND AGE OF GROOM
MONTANA OCCURRENCES, 2006**

[illegible]

**FREQUENCY OF FIRST MARRIAGE FOR BOTH BRIDE AND GROOM
BY AGE OF BRIDE AND AGE OF GROOM
MONTANA OCCURRENCES, 2005**

[illegible]

TABLE M-4

**MEDIAN AGES OF BRIDES AND GROOMS
MONTANA OCCURRENCES, 1995 - 2006**

YEAR OF MARRIAGE	MEDIAN AGE OF BRIDE			MEDIAN AGE OF GROOM		
	ALL MARRIAGES	FIRST MARRIAGES FOR BRIDES	FIRST MARRIAGES FOR BOTH*	ALL MARRIAGES	FIRST MARRIAGES FOR GROOMS	FIRST MARRIAGES FOR BOTH*
1995	26	23	22	29	25	24
1996	27	23	22	29	25	24
1997	27	23	22	29	25	24
1998	27	23	23	29	25	24
1999	27	23	23	29	26	25
2000	27	23	23	29	26	25
2001	27	23	23	29	25	25
2002	27	23	23	29	26	25
2003	27	24	23	30	26	25
2004	27	24	23	29	26	25
2005	27	24	23	29	26	25
2006	27	24	24	29	26	25

* FIRST MARRIAGE FOR BOTH BRIDE AND GROOM.

TABLE R-1

Montana Department of Public Health and Human Services
Communicable Disease Program

2006 Communicable Disease Summary

Reporting County ¹	CAMPYLOBACTER	DIPHTHERIA	PATHOGENIC COLI	GARDIA	HAE MO PH I L I S	I N F L U E N Z A	H E P A T I T I S A	H E P B A C U T E	H E P B C H R O N I C ²	H E P C A C U T E	H E P C C H R O N I C ²	L E G I O N E L L A	M E A S L E S	M E N I N G O I N F	M U M P S	P E R T U S S I S	R M S F	S A L M O N E L L A	S H I G E L L A	V A R I C E L L A	T U B E R C U L O S I S	FOODBORNE, WATERBORNE, & PERSON-PERSON OUTBREAK RELATED CASES INCIDENTS/CASES
Beaverhead	1	-	-	5	-	-	-	-	1	-	1	1	-	-	-	1	-	-	-	-	-	-
Big Horn	-	-	-	-	-	-	-	-	1	-	12	-	-	-	-	-	-	2	1	-	-	1/13
Blaine	2	-	-	-	-	-	-	1	-	-	11	-	-	-	-	-	-	3	-	6	-	-
Broadwater	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	3	-	-	-	-
Carbon	4	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	-	1	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	9	-	2	-	-	-	-	1	3	-	52	-	-	2	-	-	-	6	-	-	1	2/27
Chouteau	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Custer	1	-	-	5	-	-	-	-	-	-	10	-	-	-	-	-	-	1	-	-	-	1/15
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22	-	-	-	2/22
Dawson	-	-	-	2	-	-	-	1	-	8	-	-	-	-	-	-	-	1	-	-	-	-
Deer Lodge	-	-	-	1	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	-	-	-
Fallon	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Fergus	2	-	-	-	-	-	-	-	1	-	3	-	-	-	-	1	-	2	-	1	-	-
Flathead	26	-	1	19	-	-	-	-	6	-	39	1	-	-	-	47	-	7	2	27	2	5/98
Gallatin	28	-	3	13	-	-	1	-	13	-	37	-	-	-	-	10	-	11	2	1	-	1/18
Garfield	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	1	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	2	-	1	1	-
Golden Valley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Granite	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hill	2	-	2	-	-	-	1	1	1	-	19	-	-	-	-	-	-	-	-	5	-	1/5
Jefferson	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	2	-	1	-	-
Judith Basin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	5	-	1	7	-	-	-	-	-	-	26	-	-	-	-	1	-	7	-	-	2	-
Lewis & Clark	16	-	4	4	-	2	1	85	-	61	-	-	-	-	22	-	5	1	1	-	-	2/61
Liberty	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	6	-	-	-	-
Lincoln	2	-	-	2	-	2	-	1	-	8	-	-	-	-	-	7	-	-	-	-	-	-
Madison	3	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-	2	-	-	-	-
McCone	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-
Missoula	13	-	7	8	-	2	-	11	-	62	2	-	1	-	12	-	10	-	-	-	1	1/68
Musselshell	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	1	-	-
Park	5	-	-	1	-	-	-	1	-	8	-	-	-	-	-	-	-	1	-	19	-	1/60
Petroleum	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Phillips	1	-	-	1	-	3	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	1/3
Pondera	1	-	-	1	-	-	-	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-
Powder River	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powell	1	-	-	-	-	-	-	-	1	-	11	-	-	-	-	-	-	-	-	-	-	-
Prairie	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Ravalli	5	-	3	6	-	1	-	1	-	16	2	-	-	-	-	1	-	3	-	-	-	2/39
Richland	-	-	-	-	-	-	-	2	-	1	-	-	-	-	-	-	-	2	-	-	-	3/250
Roosevelt	1	-	-	2	-	-	-	-	-	7	-	-	-	-	-	1	-	3	41	-	1	3/72
Rosebud	1	-	-	1	-	-	-	-	-	4	-	-	-	-	-	1	-	2	-	-	-	1/16
Sanders	-	-	-	5	-	-	-	1	-	10	-	-	-	-	-	-	-	1	-	-	-	2/53
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-
Silver Bow	4	-	1	3	-	-	-	-	-	34	-	-	-	-	-	2	-	5	-	-	1	-
Stillwater	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	2/15
Sweet Grass	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/51
Teton	1	-	1	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1/16
Toole	-	-	-	2	-	-	-	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-
Treasure	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	-	3	20	-	-	1/20
Wheatland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Wibaux	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1/25
Yellowstone	9	-	3	12	-	-	-	8	-	148	1	-	3	-	7	-	20	2	-	2	-	13/>1500
2006 Total	160	0	28	104	0	12	5	142	0	636	7	0	6	0	115	2	138	69	65	12	-	47/2447
2005 Total	106	0	23	81	0	10	10	48	1	899	6	0	0	1	586	1	149	5	0	10	-	16/693
2004 Total	143	0	32	72	0	8	14	na	2	na	3	0	3	0	84	3	188	4	0	15	-	19/569

¹ "Reporting county" reflects county of residence whenever possible.

² Chronic Hepatitis B and C numbers reflect those cases entered into the DPHHS Hepatitis Registry during 2006.

Note: The above disease totals reflect the cumulative number of reports received by DPHHS January 1 through December 31, 2006. Each disease is classified by month of event. While month of event generally reflects the onset of symptoms, it may also reflect date of report or test. The reporting county is the county of residence/occurrence of the case. Data is subject to corrections.

TABLE R-2

SEXUALLY TRANSMITTED DISEASES BY COUNTY
2006 SUMMARY

Reporting County*	CHLAMYDIA	GONORRHEA	SYPHILIS
Beaverhead	22	1	-
Big Horn	143	11	-
Blaine	24	-	-
Broadwater	6	-	-
Carbon	15	1	-
Carter	-	-	-
Cascade	328	28	1
Chouteau	2	-	-
Custer	18	2	-
Daniels	-	-	-
Dawson	8	-	-
Deer Lodge	14	-	-
Fallon	7	-	-
Fergus	8	1	-
Flathead	194	11	-
Gallatin	184	7	-
Garfield	2	-	-
Glacier	167	3	-
Golden Valley	-	-	-
Granite	-	-	-
Hill	70	4	1
Jefferson	12	-	-
Judith Basin	-	-	-
Lake	132	6	-
Lewis & Clark	150	7	-
Liberty	-	-	-
Lincoln	42	3	-
Madison	-	1	-
McCone	2	-	-
Meagher	1	-	-
Mineral	1	-	-
Missoula	248	13	-
Musselshell	1	1	-
Park	12	2	-
Petroleum	-	-	-
Phillips	1	-	-
Pondera	10	1	-
Powder River	5	-	-
Powell	13	2	-
Prairie	-	-	-
Ravalli	54	3	-
Richland	18	-	-
Roosevelt	84	-	-
Rosebud	91	6	-
Sanders	9	1	-
Sheridan	4	-	-
Silver Bow	95	5	-
Stillwater	9	2	-
Sweet Grass	6	-	-
Teton	7	1	-
Toole	7	1	-
Treasure	-	-	-
Valley	7	-	-
Wheatland	1	-	-
Wibaux	1	-	-
Yellowstone	414	70	-
Other/Out of State	-	-	-
2006 Total	2649	194	2
2005 Total	2402	158	7
2004 Total	2617	89	4

* "Reporting county" reflects county of residence whenever possible. Reports are counted as they are received by DPHHS. The above data include all reports received from January through December 31, 2006.

TABLE R-3

**MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
OTHER DISEASES OF INTEREST: 2006 SUMMARY**

Diseases which are reported infrequently or which are of special interest are detailed in this section as they occur. All counties reporting at least one case are listed.

Reporting County	A M E B I A S I S	A S E P M E N I N G	B A C M E N I N O T R	B A C T E R E M I A	B O T U L I S M I N F	C R E U T Z F E L D T	J A K O B D I S	C O L O R A D O T I C K	C R Y P T O S P O R	D E N G U E F E V E R	E N C P R I M	H F L U O T R	H A N T A V I R A L I L	H U S	L I S T E R I O S I S	L Y M E	M A L A R I A	Q F E V E R	R A B I E S A N I M A L
Beaverhead	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Big Horn	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Blaine	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Carbon	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Carter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cascade	1	-	-	-	-	-	-	-	12	1	-	-	-	-	-	-	-	-	1
Chouteau	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Custer	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Daniels	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Dawson	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Fallon	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	1
Fergus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Flathead	-	5	-	-	-	-	-	-	10	-	-	-	-	-	-	-	-	-	1
Gallatin	-	3	-	-	-	-	-	-	9	-	-	1	-	-	-	-	-	-	-
Garfield	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Glacier	-	1	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-
Hill	-	2	1	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-
Jefferson	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-
Judith Basin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	1	-	-	-	-	-	14	-	-	-	-	-	-	-	-	-	-
Lewis & Clark	-	1	1	-	-	-	-	-	4	-	1	-	-	-	-	-	-	-	-
Lincoln	-	-	1	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Madison	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Meagher	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Missoula	-	-	-	1	-	-	-	-	68	-	-	-	-	-	-	-	1	-	3
Musselshell	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Park	-	3	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-
Phillips	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-
Pondera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powder River	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Powell	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ravalli	-	-	-	-	-	-	-	1	5	-	-	-	-	-	-	-	-	-	-
Richland	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roosevelt	-	-	1	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-
Rosebud	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Sanders	-	-	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Sheridan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Bow	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stillwater	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Teton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Valley	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-
Yellowstone	-	15	2	1	-	-	-	-	9	-	1	1	-	-	-	1	1	1	1
2006 Total	1	34	12	7	1	0	1	152	1	3	2	1	1	1	1	1	2	2	16
2005 Total	1	37	17	3	1	1	3	23	0	1	2	1	0	1	0	-	0	15	-
2004 Total	1	36	13	na	1	3	2	34	0	0	0	2	0	2	0	-	4	26	-

TABLE R-3 (CONCLUDED)

**MONTANA DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES
COMMUNICABLE DISEASE PROGRAM
OTHER DISEASES OF INTEREST: 2006 SUMMARY**

STATEWIDE REPORTS:

Conditions which are reported to the Centers for Disease Control and Prevention or which are unique are reported below. Such conditions may include seasonal events such as influenza activity, as well as outbreaks or events for which heightened awareness is necessary.

RABIES REPORT:

16 (2.2%) of the 479 specimens submitted during 2006 tested positive for the rabies virus.

Beaverhead:	2 bats	Fallon:	1 skunk	Musselshell:	1 Bat
Cascade:	1 bat	Fergus:	2 skunks	Powder River:	1 skunk
Daniels:	1 skunk	Flathead:	1 bat	Powell:	1 bat
Dawson:	1 skunk	Missoula:	3 bats	Rosebud:	1 horse

FOODBORNE/WATERBORNE OUTBREAKS: The number of outbreaks/incidents and cases attributed to each are noted on page one. A short description of these reports are summarized below. Additional information may be obtained by contacting the county of report. Please report any "incident in which two or more persons experience a similar gastrointestinal or diarrheal illness and epidemiological analysis implicates a common source of exposure". A single case of foodborne intoxication (botulism, scromboid) should be considered an outbreak and reported.

OUTBREAKS/EVENTS OF INTEREST:

Mar: Yellowstone Co. - An outbreak of norwalk virus sickened approximately 200 staff and residents of a long-term care facility and an assisted living center. Spread appears to be a person to person transmission as opposed to a point sources at this time.
Sanders Co. - An outbreak of a norwalk like illness that impacted approximately 31 staff and residents. No specimens were collected to determine the agent at this time.

Apr: Yellowstone Co. - A continuing outbreak of norovirus that sickened roughly 450 individuals that ate or worked at a local area restaurant. Subsequent testing confirmed norovirus. Additional outbreaks are continuing in Yellowstone Co. affecting two more long-term care facilities and a medical clinic resulting in more than 40 additional cases.
Richland Co. - An outbreak of confirmed norovirus impacted a Sidney extended care center and senior residential center causing over 200 illnesses.
Cascade Co. - A suspect norovirus outbreak is occurring in a Great Falls long-term care facility resulting in 24 illnesses. Tests are pending.
Roosevelt Co. - A long-term care facility in Culbertson is reporting a norovirus-like illness impacting 25 of their residents and staff. MTPHL is waiting on specimens for testing.
Teton Co. - Norovirus is the suspect cause of an illness in an assisted living center in Choteau. Sixteen were ill and no specimens were collected for testing.

May: Lewis & Clark Co. - Confirmed outbreak of Norovirus in a nursing home resulting in 31 ill residents and staff.
Flathead Co. - Confirmed outbreak of Norovirus in 4 nursing homes and assisted living centers resulting in 53 ill residents and staff.
Rosebud Co. - Suspected Norovirus outbreak in a nursing home resulting in 16 ill resident and staff.
Big Horn Co. - Suspected Norovirus outbreak in a nursing home resulting in 13 ill resident and staff.
Daniels Co. - Confirmed outbreak of Salmonella in a hospital/nursing home with 12 cases.

Jun: Custer Co. - Suspected Norovirus in a nursing home that has impacted 15 residents and staff .
Sweetgrass Co. - Confirmed outbreak of Norovirus in a nursing home that sickened 51 residents and staff.
Wibaux Co. - Usual outbreak of confirmed Norovirus in a nursing home that resulted in 25 ill residents and staff.
Daniels Co. - Confirmed outbreak of Salmonella at a wedding reception with nine cases.
Gallatin Co. - Suspect outbreak of Norovirus in a nursing home with 18 ill staff and residents.

Jul: Park Co. - Suspect outbreak of Norovirus in a nursing home with 60 ill residents and staff.
Ravalli Co. - Another suspect outbreak of Norovirus in two nursing homes impacting 24 residents and staff.
Sanders Co. - The usual outbreak of Norovirus in a nursing home impacting 22 residents and staff.

Aug: Flathead Co. - Confirmed outbreak of Norovirus in a nursing home impacting 45 residents and staff.
Phillips Co. - Four confirmed cases of hepatitis A. Three of the cases are household contacts and the fourth is still under investigation.
Missoula Co. - Multiple cases of cryptosporidiosis has been occurring since July 2006. Most of these cases are believed to have been acquired in Missoula's public pools/water parks.

Oct: Yellowstone Co. - Confirmed outbreak of Norovirus in an assisted living facility and hospital transitions care unit affecting roughly 50 residents and staff.
Roosevelt Co. - Confirmed outbreak of Shigella sonnei on the Fort Peck Reservation and within the county. As of 30 Decv 2006, 41 cases have been identified.

Nov: Valley Co. - Confirmed outbreak of Shigella sonnei that is identical to the Roosevelt County organism. No epi connections with Roosevelt Co. has been established at this time.
As of 30 Dec 2006 20 cases have been identified.

Dec: Hill Co. - Confirmed outbreak of Norovirus in a long term care facility affecting 5 residents.
Ravalli Co. - Suspect norwalk-like illness impacting 15/24 individuals eating in a local food establishment. No food item has been implicated at this writing.
Roosevelt Co. - Confirmed outbreak of Norovirus in a Culbertson long term care facility resulting in six ill residents.
Cascade Co. - Confirmed outbreak of Norovirus in a Great Falls nursing home with three resident known to be ill.
Yellowstone Co. - Norovirus activity continues with 7 LTC facilities being impacted.
Stillwater Co. - Confirmed outbreak of Norovirus in 2 LTC facilities with 15 staff and residents becoming ill.
Lewis & Clark Co. - Confirmed outbreak of Norovirus among attendees of a private party which sickened 30 individuals.

The above total reflects cases received by DPHHS during the period specified. Additional conditions and counties will be added as cases are reported.

TABLE C-1
REPORTED NEOPLASMS BY ANATOMICAL SITE AND SEX
MONTANA RESIDENTS, 1997-2006 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2007
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES	MALE	FEMALE	TOTAL	PRIMARY CANCER SITES	MALE	FEMALE	TOTAL
TOTAL, ALL SITES	24,672	22,887	47,559				
Buccal Cavity and Pharynx	699	298	997	Female Genital System	---	2,518	2,518
Lip	147	38	185	Cervix	---	374	374
Tongue	152	74	226	Uterus	---	1,177	1,177
Major Salivary gland	69	41	110	Ovary	---	798	798
Floor of Mouth	39	20	59	Vagina	---	29	29
Gum & Other Mouth	64	55	119	Vulva	---	115	115
Nasopharynx	22	11	33	Other Female Genital Organs	---	25	25
Tonsil	122	30	152	Male Genital System	8,370	---	8,370
Oropharynx	29	8	37	Prostate	8,052	---	8,052
Hypopharynx	39	15	54	Testis	267	---	267
Pharynx	16	6	22	Penis	43	---	43
				Other Male Genital Organs	8	---	8
Digestive System	4,346	3,576	7,922	Urinary System	2,542	981	3,523
Esophagus	362	99	461	Bladder	1,755	521	2,276
Stomach	409	213	622	Kidney & Renal Pelvis	734	430	1,164
Small Intestine	90	68	158	Ureter	43	22	65
Colon	1,725	1,768	3,493	Other Urinary Organs	10	8	18
Rectum & Rectosigmoid	846	534	1,380	Brain & Other Nervous System	396	301	697
Anus & Anocanal	47	70	117	Brain	376	292	668
Liver	210	133	343	Other Nervous System	20	9	29
Gallbladder	29	65	94	Endocrine System	256	733	989
Other Biliary	69	62	131	Thyroid Gland	221	696	917
Pancreas	524	483	1,007	Other Endocrine	35	37	72
Retroperitoneum	13	19	32				
Peritoneum	5	52	57	Lymphoma*	1,166	930	2,096
Other Digestive Organs	17	10	27	Hodgkin Disease	139	108	247
Respiratory System	3,851	3,117	6,968	Non-Hodgkin Lymphoma	1,027	822	1,849
Nasal Cavity & Sinuses	38	25	63	Multiple Myeloma	300	243	543
Larynx	271	80	351				
Lung & Bronchus	3,527	3,006	6,533	Leukemia	756	528	1,284
Trachea & Pleura	15	6	21	Acute Lymphocytic	55	51	106
Bones & Joints	48	48	96	Chronic Lymphocytic	279	179	458
				Acute Myeloid	217	165	382
Soft Tissue	122	124	246	Chronic Myeloid	99	67	166
				Other Leukemia	106	66	172
Melanoma	826	657	1,483	Unknown and Ill-defined Sites	901	825	1,726
Breast	38	7,971	8,009				
Eye	55	37	92				

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-2
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX, AND AGE
MONTANA RESIDENTS, 1997-2006 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2007
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES																								
AGE AT DIAGNOSIS	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
0-4	-	---	-	-	-	1	-	-	-	-	1	-	---	-	1	2	---	-	-	1	52	56	54	60
5-9	-	---	-	-	-	-	-	-	-	-	-	-	---	-	6	-	---	1	-	-	40	25	46	26
10-14	-	---	-	1	-	1	-	-	-	-	-	-	---	-	11	10	---	2	-	-	34	26	45	40
15-19	-	---	-	-	2	2	1	1	-	2	-	1	---	-	16	19	---	3	-	-	67	52	86	80
20-24	-	---	-	1	-	-	1	3	1	-	1	-	---	2	25	18	---	8	-	-	84	77	112	109
25-29	-	---	-	15	1	2	4	2	3	1	2	2	---	2	22	15	---	4	-	-	109	127	141	170
30-34	1	---	-	69	4	1	7	6	-	5	1	1	---	6	31	16	---	9	-	-	133	171	177	284
35-39	-	---	-	226	9	11	15	10	8	8	11	1	---	21	36	17	---	19	3	1	190	237	272	551
40-44	26	---	1	508	25	47	27	25	27	18	23	5	---	47	50	27	---	26	5	4	273	347	457	1,054
45-49	138	---	1	841	86	71	44	46	47	26	45	20	---	70	70	43	---	70	20	14	422	377	873	1,578
50-54	485	---	3	1,016	160	126	104	65	69	44	68	22	---	130	80	54	---	92	39	28	589	423	1,597	2,000
55-59	909	---	4	963	274	235	112	114	83	46	132	37	---	151	102	65	---	77	51	28	658	450	2,325	2,166
60-64	1,232	---	4	850	414	359	183	144	121	54	202	51	---	171	117	92	---	82	60	51	691	423	3,024	2,277
65-69	1,591	---	7	900	540	485	240	218	116	67	230	64	---	148	137	92	---	95	70	62	819	526	3,750	2,657
70-74	1,530	---	4	807	700	557	276	253	132	72	282	82	---	141	133	118	---	77	77	55	874	575	4,008	2,737
75-79	1,127	---	6	771	677	528	299	277	110	71	300	86	---	128	142	130	---	82	82	74	862	622	3,605	2,769
80-84	577	---	4	583	390	350	230	288	82	63	264	68	---	82	113	111	---	83	68	79	633	576	2,361	2,283
85+	436	---	4	420	245	230	182	316	47	57	193	81	---	78	74	101	---	68	49	86	509	609	1,739	2,046
TOTAL	8,052	---	38	7,971	3,527	3,006	1,725	1,768	846	534	1,755	521	---	1,177	1,166	930	---	798	524	483	7,039	5,699	24,672	22,887

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

TABLE C-3
MOST FREQUENTLY REPORTED NEOPLASMS BY SITE, SEX AND COUNTY OF RESIDENCE
MONTANA RESIDENTS, 1997-2006 DIAGNOSES
CASES REPORTED AS OF OCTOBER 2007
MONTANA CENTRAL TUMOR REGISTRY

PRIMARY CANCER SITES																								
COUNTY OF RESIDENCE	PROSTATE		BREAST		LUNG		COLON		RECTUM & RECTOSIG		BLADDER		UTERUS		NHL & HODGKIN*		OVARY		PANCREAS		OTHERS		ALL SITES	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
Beaverhead	73	---	-	85	27	31	19	17	8	2	19	3	---	13	8	12	---	8	7	6	59	57	220	234
Big Horn	72	---	-	78	40	25	16	10	9	6	26	4	---	7	11	8	---	8	4	7	73	73	251	226
Blaine	70	---	-	55	20	30	11	9	7	4	11	3	---	9	6	9	---	3	5	2	38	32	168	156
Broadwater	45	---	1	51	31	23	8	7	5	4	15	5	---	9	7	5	---	6	4	1	37	24	153	135
Carbon	116	---	-	73	47	36	20	20	12	13	20	7	---	11	18	11	---	14	5	6	96	78	334	269
Carter	17	---	-	9	4	2	6	6	3	1	1	2	---	3	2	-	---	1	-	-	5	6	38	30
Cascade	795	---	4	793	339	307	138	157	79	54	149	48	---	138	92	93	---	62	33	39	591	526	2,220	2,217
Chouteau	61	---	-	68	20	21	15	21	12	6	10	5	---	12	8	7	---	9	3	1	45	34	174	184
Custer	126	---	-	110	67	61	41	47	17	7	27	9	---	23	19	14	---	10	12	14	114	91	423	386
Daniels	18	---	-	17	14	10	7	6	5	3	1	1	---	2	5	3	---	2	1	-	20	16	71	60
Dawson	92	---	2	81	48	43	25	26	15	6	23	7	---	15	14	9	---	10	5	5	85	65	309	267
Deer Lodge	120	---	1	72	56	38	18	29	12	5	19	5	---	12	16	12	---	6	6	3	86	67	334	249
Fallon	32	---	-	18	13	12	3	8	6	3	9	2	---	6	3	3	---	1	-	1	23	19	89	73
Fergus	175	---	-	119	57	57	34	35	17	19	31	8	---	26	27	23	---	18	10	11	137	89	488	405
Flathead	739	---	2	782	275	247	144	156	65	42	143	45	---	109	98	79	---	75	65	42	563	471	2,094	2,048
Gallatin	353	---	4	522	125	113	62	84	39	24	90	31	---	68	61	41	---	49	33	18	375	336	1,142	1,286
Garfield	15	---	-	10	5	2	6	2	-	-	3	-	---	1	3	2	---	1	1	2	13	8	46	28
Glacier	62	---	-	110	40	37	29	21	14	3	10	1	---	15	8	14	---	-	6	3	68	74	237	278
Golden Valley	15	---	-	10	6	9	3	1	1	1	7	-	---	2	-	2	---	3	-	-	13	9	45	37
Granite	28	---	-	21	12	9	4	7	1	-	6	1	---	1	6	1	---	7	2	2	26	13	85	62
Hill	148	---	2	133	62	68	47	30	14	13	27	9	---	23	13	14	---	15	9	9	121	102	443	416
Jefferson	74	---	-	76	41	22	17	10	13	5	19	5	---	9	12	10	---	13	4	6	75	43	255	199
Judith Basin	43	---	-	19	15	6	6	4	3	1	3	2	---	5	3	1	---	1	1	1	22	14	96	54
Lake	205	---	-	207	119	73	53	49	33	13	45	15	---	35	44	19	---	27	19	12	218	148	736	598
Lewis & Clark	443	---	2	521	195	203	99	96	44	41	96	32	---	87	75	62	---	47	21	31	401	345	1,376	1,465
Liberty	29	---	-	21	6	8	7	7	2	1	3	3	---	8	1	2	---	1	-	2	24	21	72	74
Lincoln	190	---	2	216	115	89	32	47	18	11	62	12	---	26	33	20	---	21	13	3	158	116	623	561
McCone	20	---	-	19	3	2	7	7	4	2	5	3	---	3	4	3	---	-	4	2	14	6	61	47
Madison	68	---	1	63	25	16	9	11	7	3	17	5	---	7	4	8	---	8	1	5	54	39	186	165
Meagher	24	---	-	13	10	13	4	1	5	1	7	1	---	2	4	1	---	1	1	3	18	9	73	45
Mineral	38	---	-	28	31	20	7	6	5	2	13	5	---	5	3	1	---	6	6	5	40	17	143	95
Missoula	636	---	3	827	278	242	126	143	51	50	139	57	---	85	91	90	---	71	45	46	631	473	2,000	2,084
Musselshell	50	---	-	47	28	28	6	14	7	5	7	2	---	9	6	5	---	6	2	3	44	43	150	162
Park	145	---	-	141	51	58	25	32	18	9	39	7	---	16	31	15	---	24	3	11	123	120	435	433
Petroleum	4	---	-	4	1	1	-	2	1	1	1	1	---	1	-	-	---	-	2	-	1	4	10	14
Phillips	60	---	-	44	24	23	10	17	10	3	12	3	---	7	5	7	---	3	3	3	46	28	170	138
Pondera	67	---	-	54	26	25	13	7	8	4	11	4	---	9	8	13	---	5	5	6	69	53	207	180
Powder River	18	---	-	12	8	4	3	1	3	1	7	-	---	2	3	1	---	-	4	1	12	7	58	29
Powell	74	---	-	42	45	24	10	12	2	4	18	4	---	5	10	8	---	2	6	6	83	36	248	143
Prairie	25	---	-	12	7	4	7	7	2	3	7	-	---	3	4	2	---	1	2	1	20	13	74	46
Ravalli	378	---	2	308	161	103	66	79	25	22	99	19	---	37	48	34	---	33	23	22	303	241	1,105	898
Richland	40	---	-	85	55	29	14	12	16	3	11	3	---	5	15	9	---	8	6	8	67	51	224	213
Roosevelt	54	---	1	78	39	26	14	23	8	7	8	1	---	5	10	10	---	9	1	3	88	52	223	214
Rosebud	64	---	-	58	34	22	29	20	9	5	10	4	---	4	7	11	---	7	3	6	64	49	220	186
Sanders	135	---	1	112	68	36	29	26	9	5	26	5	---	14	26	13	---	14	12	7	122	79	428	311
Sheridan	33	---	1	37	23	17	12	6	8	5	13	-	---	6	6	6	---	7	5	1	35	40	136	125
Silver Bow	289	---	1	223	153	126	81	93	27	16	72	25	---	42	27	25	---	32	13	17	249	209	912	808
Stillwater	111	---	-	79	35	26	19	17	14	5	13	3	---	11	15	10	---	7	6	7	94	56	307	221
Sweet Grass	43	---	-	33	13	13	7	7	5	1	7	3	---	3	6	7	---	2	1	1	31	25	113	95
Teton	87	---	-	81	25	21	22	17	3	1	10	7	---	12	7	4	---	7	2	1	43	47	199	198
Toole	43	---	1	43	18	19	14	11	7	3	11	2	---	9	9	5	---	-	3	4	45	26	151	122
Treasure	13	---	-	9	7	5	4	2	3	2	2	1	---	1	2	3	---	1	-	1	1	8	32	33
Valley	87	---	-	78	39	32	27	21	13	5	22	2	---	20	18	10	---	12	9	6	105	71	320	257
Wheatland	33	---	-	21	4	9	8	2	6	1	5	1	---	1	2	1	---	3	-	3	25	15	83	57
Wibaux	14	---	-	3	1	3	3	2	3	2	3	-	---	1	6	-	---	1	1	-	8	8	39	20
Yellowstone	1,239	---	7	1,140	516	477	279	258	113	75	283	88	---	176	196	151	---	110	86	77	1,116	995	3,835	3,547
Unknown	4	---	-	-	-	-	-	-	-	-	2	-	---	1	-	1	---	-	-	-	2	2	8	4
TOTAL	8,052	---	38	7,971	3,527	3,006	1,725	1,768	846	534	1,755	521	---	1,177	1,166	930	---	798	524	483	7,039	5,699	24,672	22,880

* Non-Hodgkin Lymphoma (NHL) and Hodgkin Disease are not included in the anatomical site (e.g., lymphoma of the stomach is counted as a lymphoma, not stomach cancer).

OFFICE OF VITAL STATISTICS

The Office of Vital Statistics has published Montana Vital Statistics reports since 1954. Single copies of this publication are available without charge as long as the supply lasts. Copies of previous years' publications are available depending on supply. Most years' supplies have been exhausted; reference copies of those reports are available in this office, at the Montana State Library, and a number of the larger county and University System libraries around the state. Photocopies of specific tables or text from any report will be supplied on request, as time permits. Inquiries should be directed to the Research Specialist of the Office of Vital Statistics, Montana Department of Public Health and Human Services, at the address, telephone number, or e-mail address shown below.

As time permits, additional tabulations can be produced to satisfy individual requests. Uncomplicated tabulations can usually be produced without cost to the requester. In some cases, the requester may be asked to reimburse the department for production costs. Tabulations requiring extensive computer processing may require reimbursement for staff time and computer programming charges. The production of special tabulations is subject to the availability of personnel. Tables in this report and additional tabulations can be found on our web site:

<http://www.dphhs.mt.gov/statisticalinformation/vitalstats/index.shtml>.

The Office of Vital Statistics can only honor requests for information that do not violate the confidentiality requirements of federal or state law or regulations of the Montana Department of Public Health and Human Services. However, confidentiality is not usually a concern in statistical reports or tables where individuals or institutions are not identified. Our address is:

Office of Vital Statistics
Montana Department of Public Health and Human Services
DPHHS Building, Room 205
P. O. Box 4210
Helena, Montana 59604-4210

Telephone: (406) 444-4228 (main Vital Statistics number)
(406) 444-1756 (Research Specialist)

Fax: (406) 444-1803

e-mail: bschwartz@mt.gov